December 15, 1966

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# TECHNICAL TRANSLATIONS

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翻譯文
譯書

U. S. DEPARTMENT OF COMMERCE / NATIONAL BUREAU OF STANDARDS / INSTITUTE FOR APPLIED TECHNOLOGY

*December 15, 1966 Volume 16, Number 11*

# TECHNICAL TRANSLATIONS

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# TECHNICAL TRANSLATIONS

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## 01 AERONAUTICS

TT-66-34329 Field 1-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 48. 29 Sep 66, 11p. JPRS-37901.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34329

Trans. of Hang K'ung Chih Shih (Chinese People's Republic) v3 n7 p1-32 1966.

### A. Aerodynamics

NCH-205 796 Field 1A

Volchkov, E. P.; Kutateladze, S. S.; Leontev, A. I.
INTERACTION OF SUBMERGED TURBULENT JET WITH A SOLID WALL. Aug 66, 8p, 11refs. RTS-3268.
Order from NLL: 10s as RTS-3268

Trans. of Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki (USSR) n2 p50-3 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-65-13266 Field 1A

Shaefer, M.
PROPAGATION OF A TWO-DIMENSIONAL IRROTATIONAL SUPERSONIC FLOW ALONG A WALL (Fortsetzung einer Ebenen Wirbelfreien Ueberschallstroemung Laengs einer Wand). 14p.
Order from SLA: $1.60 as TT-65-13266

Trans. of Technische Hochschule, Dresden. Rept. (East Germany) n44/9 5 Nov 1942.

TT-66-14143 Field 1A

Teterin, M. P.
TURBULENT BOUNDARY LAYER OF A FREE STREAM OF COMPRESSIBLE GAS IN WAKE FLOW AND COUNTER-FLOW. 13p, 10refs.
Order from SLA or ETC: $1.60 as TT-66-14143

Trans. of Inzhenernyi Zhurnal (USSR) v4 n2 p330-6 1964.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-34468 Field 1A, 13C, 14B, 13M, 20K

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 51. 6 Oct 66, 25p. JPRS-38041.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34468

TT-66-61335 Field 1A

Ladyzhenskii, M. D.; Lipin, A. V.
AERODYNAMIC CHARACTERISTICS OF RECTANGULAR PLATES IN HYPERSONIC RAREFIED GAS FLOW. 1966, 4p, 2refs.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61335

Trans. of Akademiya Nauk SSSR. Izvestiya. Mekhanika Zhidkosti i Gaza, n1 p142-4 1966.

TT-66-61699 Field 1A

Zelenkov, O. S.; Iurkov, A. V.
BASE PRESSURE FOR A SUDDEN EXPANSION OF THE SONIC FLOW. 1966, 5p, 4refs.
Order from CFSTI or ETC: HC$1.10, MF$0.50 as TT-66-61699

Trans. of Leningrad Univ. Vestnik (USSR) v21 n7, Seriya Matematiki, Mekhaniki i Astronomii, n2 p76-80 1966.

TT-66-61978 Field 1A

Ladnova, L. A.
ON THE METHOD OF THE SMALL PARAMETER FOR COMPUTATION OF THE CHEMICALLY NONEQUILIBRIUM BOUNDARY LAYER ON A PLATE. 1966, 6p, 1ref.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61978

Trans. of Leningrad Univ. Vestnik (USSR) v21 n1, Seriya Matematiki, Mekhaniki i Astronomii, n1 p154-9 1966.

TT-66-62267 Field 1A

Anfimov, N. A.
LAMINAR BOUNDARY LAYER IN A MULTICOMPONENT MIXTURE OF GASES (Laminarnyi Progranichnyi Sloi v Mnogokomponentnoi Smesi Gazov). Mar 66, 19p, refs.
NASA-TT-F-10038; N66-23608.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as N66-23608

Trans. of Akademiya Nauk SSSR. Izvestiya. Mekhanika i Mashinostroenie, n1 p25-31 1962.

TT-66-62297 Field 1A

Dorfman, A. Sh.
APPROXIMATE METHOD OF INTEGRATING THE LAMINAR BOUNDARY LAYER EQUATIONS. 1966, 8p.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-62297

Trans. of Prikladnya Mekhanika (USSR) v2 n6 p112-21 1966.

TT-66-62431 Field 1A, 20M

Sychev, V. V.
ENTROPY EFFECTS IN THREE-DIMENSIONAL HYPERSONIC FLOWS OF GAS OVER SLIGHTLY BLUNT-NOSED BODIES. 13 Apr 66, 9p, 7refs. FTD-TT-65-1827; AD-640 289.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 289

Unedited rough draft trans. of Archiwum Mechaniki Stosowanej (Poland) v16 n2 p517-9 1964.

TT-66-62449 Field 1A

Balanin, B. A.
ON THE ENTRAINED MASS OF A SUPERSONIC JET IN OFF-DESIGN SYSTEM. 25 Apr 66, 12p, 2refs. FTD-TT-65-1719; AD-640 325.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 325

Unedited rough draft trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) v8 n5 p574-8 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-62474 Field 1A

Koryavov, P. P.
NUMERICAL CALCULATION OF THE TURBULENT MIXING OF TWO UNIFORM GAS FLOWS. Tr. by W. R. Blake. 22 Sep 66, 29p, 20refs. TG-230-T501; AD-640 611.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-640 611

Trans. of Zhurnal Vychislitelnoi Matematiki i Matematicheskoi Fiziki (USSR) v4 n3 p495-511 1964.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-62500 Field 1A

Murzinov, I. N.
INFLUENCE OF THE LAMINAR BOUNDARY LAYER IN THE FLOW PAST A THIN BLUNTED CONE AT HIGH SUPERSONIC VELOCITIES. 18 Apr 66, 9p, 4refs. FTD-TT-65-1118; AD-640 729.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 729

Unedited rough draft trans. of Akademiya Nauk SSSR. Izvestiya. Mekhanika i Mashonostroenie, n1 p152-3 1961.

## B. Aeronautics

TT-66-62402 Field 1B

Kovalev, V.; Skiyanskii, F.
PILOTING A HEAVY AIRCRAFT DURING TAKE-OFF (Pilotirovanie Tyazhelogo Samoleta na Vzlete). Tr. by J. W. Palmer. 1966, 19p. RAE-Lib-Trans-1144.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50 as TT-66-62402

Trans. of Aviatsiya i Kosmonavtika (USSR) v47 n11 p50-9 1964.

## C. Aircraft

TT-66-34358 Field 1C

Tupolev, A. N.
COMMENTS ON THE TU-144 SUPERSONIC AIRCRAFT. 29 Sep 66, 8p. JPRS-37930.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34358

Trans. of Skrzydlata Polska, n33 (788) 14 Aug p10-1 1966.

TT-66-62401 Field 1C

Vasilev, G.
MODELS WITH FLAPPING WINGS. Tr. by B. F. Toms. 1966, 69p, refs. RAE-Lib-Tran-1172.
Order from CFSTI, SLA, or ETC: HC$6.60, MF$0.75 as TT-66-62401

Trans. of mono. Modeli s Mashushchimi Krylyami, Moscow, 1960.

# 02 AGRICULTURE

NCH-205 807 Field 2-, 13A

Bakhirev, N. F.; Sventitskii, I. I.
PROBLEMS OF LIGHTING ENGINEERING IN AGRICULTURE. Aug 66, 7p. RTS-3074.
Order from NLL: 7s 6d as RTS-3074

Trans. of Svetotekhnika (USSR) v10 n7 p3-5 1964.

TT-66-33333 Field 2-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: AGRICULTURAL SCIENCE AND TECHNOLOGY NO. 23. Collected Papers on Plant Introduction and Acclimatization. 9 Aug 66, 22p. JPRS-36903.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33333

Abstract trans. of Chih Wu Yin Chung Hsun Hua Chi K'an (Chinese People's Republic) n1 p1-178 1965.

TT-66-34147 Field 2-

USSR AGRICULTURE: TRANSLATIONS NO. 154. 20 Sep 66, 127p. JPRS-37719.
Order from CFSTI or ETC: HC$4.00, MF$0.75 as TT-66-34147

TT-66-34370 Field 2-

PRAVDA EDITORIALS (27 SEP 66): TRANSLATIONS NO. 693. 30 Sep 66, 5p. JPRS-37943.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34370

TT-66-34441 Field 2-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: AGRICULTURAL SCIENCES AND TECHNOLOGY NO. 34.

5 Oct 66, 10p. JPRS-38014.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34441

Abstract trans. of Chung Kuo Nung Yeh K'o Hsueh (Chinese People's Republic) n6 61p 1966.

TT-66-34480 Field 2-

USSR AGRICULTURE: TRANSLATIONS NO. 158. 6 Oct 66, 30p. JPRS-38053.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34480

TT-66-34585 Field 2-

Kurovskii, N.; Grushetskii, L.
USSR AGRICULTURE: TRANSLATIONS NO. 160.
14 Oct 66, 17p. JPRS-38158.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34585

Trans. from Stroitelnaya Gazeta (USSR) 10 Aug p2 1966, and of Planovoe Khozyaistvo (USSR) v43 n8 p9-16 1966.

TT-66-34693 Field 2-

Genchin, I.
DECISIONS OF THE GENERAL ASSEMBLY OF THE BULGARIAN ACADEMY OF AGRICULTURAL SCIENCE, 10-12 FEB 38267.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34693

Trans. of Selskostopanska Nauka (Bulgaria) n2 p75-90 1966.

TT-66-34730 Field 2-

USSR AGRICULTURE: TRANSLATIONS NO. 164. 25 Oct 66, 73p. JPRS-38304.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-66-34730

TT-66-34813 Field 2-, 5D

NEAR EAST: TRANSLATIONS NO. 40. 28 Oct 66, 11p. JPRS-38387.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34813

Trans. from al Hayah (Lebanon) 6 Oct p2 1966, and of Akhir Sa'ah (Egypt) 21 Sep p40-1 1966.

## B. Agricultural economics

TT-66-33366 Field 2B

EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 464.
10 Aug 66, 27p. JPRS-36936.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-33366

TT-66-34110 Field 2B

Ivanova, I. P.
SOVIET REVIEW OF AGRARIAN REFORMS AND AGRICULTURAL DEVELOPMENT IN THE UNITED ARAB REPUBLIC. 19 Sep 66, 19p, 25refs.
JPRS-37682.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34110

Trans. of Narody Azii i Afriki; Istoriya, Ekonomika, Kultura (USSR) n3 p9-20 1966.

TT-66-34159 Field 2B

EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 477. 20 Sep 66, 19p. JPRS-37731.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34159

TT-66-34190 Field 2B, 5D

PRAVDA EDITORIALS (18-19 SEP 66): TRANSLATIONS NO. 687. 21 Sep 66, 8p. JPRS-37762.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34190

TT-66-34229 Field 2B

GENERAL MEETING OF THE ACADEMY OF SCIENCES USSR. 23 Sep 66, 10p. JPRS-37801.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34229

Trans. from Izvestiya (USSR) 29 Jun p2; 30 Jun p5 1966 and Pravda, Moscow (USSR) 29 Jun p2 1966.

TT-66-34242 Field 2B

EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 478. 26 Sep 66, 39p. JPRS-37814.
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as TT-66-34242

TT-66-34373 Field 2B, 2D

EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 479, 3 Oct 66, 36p. JPRS-37946.
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as TT-66-34373

TT-66-34399 Field 2B, 2C, 2E

EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 480. Poland.
4 Oct 66, 15p. JPRS-37972.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34399

TT-66-34404 Field 2B

Voss, A.; Miloserdov, V.
USSR AGRICULTURE: TRANSLATIONS NO. 157. 4 Oct 66, 12p. JPRS-37977.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34404

Trans. from Ekonomicheskaya Gazeta (USSR) n28 p5 1966 and Sovetskaya Belorussiya (USSR) 23 Jul p2 1966.

TT-66-34472 Field 2B

EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 481. 6 Oct 66, 55p. JPRS-38045.
Order from CFSTI or ETC: HC$3.00, MF$0.50
as TT-66-34472

TT-66-34577 Field 2B, 2C

Petrov, E.; Gergov, G.; Grigorescu, E.
EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 483. 13 Oct 66, 23p. JPRS-38150.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34577

Trans. of Ikonomicheska Misul (Bulgaria) v11 n6 p23-35 1966, and Agricultura Socialista (Rumania) v4 n32 p1, 2 1966.

TT-66-34690 Field 2B, 2C

Sarykulov, D.; Semenov, V.
USSR AGRICULTURE: TRANSLATIONS NO. 162. 20 Oct 66, 19p. JPRS-38264.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34690

Trans. of Dengi i Kredit (USSR) n7 p21-9 1966, and from Stroitelnaya Gazeta (USSR) 21 Aug p3 1966.

## C. Agricultural engineering

TT-66-26092 Field 2C, 2A

Galstyan, A. Sh.
THE ACTIVITY OF CARBOHYDRASE IN THE SOIL. 5p, 7refs.
Order from ETC or SLA: $1.10 as TT-66-26092

Trans. of Akademiya Nauk Armyanskoi SSR, Erevan. Doklady, v32 n2 p202-4 1961.

TT-66-34020 Field 2C

TECHNICAL JOURNAL OF SOILS NO. 33, 1958: SELECTED PARTS. 14 Sep 66, 31p. JPRS-37592.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34020

Trans. of T'u Jang Chuan Pao (Chinese People's Republic) n33 p51-61, 91-8 1958.

TT-66-34320 Field 2C, 8M

Chu Hsien-mo; Lo Chung-yu; Chang Chun-min.
TECHNICAL JOURNAL OF SOILS, NO. 29, 195[illegible] 29 Sep 66, 130p, 5refs. JPRS-37892.
Order from CFSTI or ETC: HC$4.00, MF$1.00
as TT-66-34320

Trans. of T'u Jang Chuan Pao (Chinese People's Republic) n29 75p 1956.

TT-66-34677 Field 2C, 2D

USSR AGRICULTURE: TRANSLATIONS NO. 161. 20 Oct 66, 27p. JPRS-38251.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34677

TT-66-34687 Field 2C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: AGRICULTURAL SCIENCES AND TECHNOLOGY NO. 36. 20 Oct 66, 18p. JPRS-38261.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34687

Abstract trans. of Nung Yeh Chi Hsieh Chi Shu (Chinese People's Republic) n6 p1-40, 42, 44-52, 54, 56 1966.

TT-66-34754 Field 2C

Hsiung I; Hsi Ch'eng-fan.
COMMUNIST CHINA: SCIENCE AND TECHNOLOGY TRANSLATIONS NO. 346. 26 Oct 66, 15p. JPRS-38328.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34754

Trans. of mono. Hua-pei P'ing-yuan T'u-jang, Peiping, 1965, p1-viii.
Soils on the North China Plain.

## D. Agronomy and horticulture

NCH-205 652 Field 2D

Shangin-Berezovskii, G.
SEED SET IN STRAWBERRY ON BERRIES OF DIFFERENT ORDERS (Zavyazyanie Semyan u Zemyaniki na Yagodakh Raznogo Poryadka). May 66, 17p, 9refs. RTS-3306.
Order from NLL: 32s 6d as RTS-3306

Trans. of Akademiya Nauk SSSR. Institut Genetiki. Trudy, v31 p182-94 1964.

NCH-205 660 Field 2D

Gurevich, S. M.; Bornina, I. I.
UPTAKE AND RETENTION OF NUTRIENTS BY SUGAR BEET DEPENDING ON THE LEVEL OF NUTRITION (Postuplenie i Vynos Pitatelnykh Veshchestv Sakharnoi Svekloi v Zavistimosti ot Urovnaya Pitaniya). May 1966, 17p, 3refs. RTS-3249.
Order from NLL: 22s 6d as RTS-3249

Trans. of Agrokhimiya (USSR) n10 p73-81 1964.

NCH-205 839 Field 2D

Lazareva, A. G.
STRAWBERRY BREEDING IN THE NORTHERN CAUCASUS. Aug 66, 19p. RTS-3673.
Order from NLL: 32s 6d as RTS-3673

Trans. of Trudy po Prikladnoi Botanika, Genetike i Selektsii (USSR) v36 n3 p158-70 1964.

TT-66-13965 Field 2D

Takakusu, T.; Enokida, S.; Aida, S.
INFLUENCES OF APPLICATION OF HERBICIDES ON OUTBREAK OF RICE STEM BORERS. 4p.
Order from SLA or ETC: $1.10 as TT-66-13965

Trans. from Kanto Tosan Byogaichu Kenkyakai Nenpo (Japan) v12 1965.

TT-66-13966 Field 2D

Ito, H.; Hashimoto, T.; Igarashi, R.; Sekizawa, H.; Ito, S.
A STUDY OF A LABOR-SAVING METHOD TO CONTROL RICE DISEASES AND PESTS. 5p.
Order from SLA or ETC: $1.10 as TT-66-13966

Trans. from Kita Nihon Byogaityu Kenkyukai Nempo (Japan) 15 Sep 64.

TT-66-13967 Field 2D, 2C

Yokoyama, S.; Sakai, H.; Inoue, T.
RESEARCH ON RICE CULTURE AND FARM MANAGEMENT BY THE EFFICIENT USE OF LARGE-SIZED FARM MACHINERY. 7: CONTROL OF PLANT DISEASES AND INJURIOUS INSECTS. 7p (foreign text included).
Order from SLA or ETC: $1.10 as TT-66-13967

Trans. of Kyushu Nogyo Kenkyu (Japan) n27 p36-7 1965.

TT-66-13968 Field 2D, 2C

Toda, S.; Inoue, T.
RESEARCH ON RICE CULTURE AND FARM MANAGEMENT BY THE EFFICIENT USE OF THE LARGE-SIZED FARM MACHINERY. 1: OUTLINE OF RESEARCH AT TEST FARM. 3p.
Order from SLA or ETC: $1.10 as TT-66-13968

Trans. from Kyushu Nogyo Kenkyu (Japan) n27 Jul 1965.

TT-66-14018 Field 2D

Koyama, T.; Inoue, K.; Abe, S.; Ishihara, S.; Takezono, T.
STUDIES ON THE DIRECT-SOWING RICE CULTURE IN WARMER REGIONS. 9p (foreign text included) 3refs.
Order from SLA or ETC: $1.60 as TT-66-14018

Trans. of Kyushu Kogyo Kenkyu (Japan) n27 p24-7 1965.

TT-66-14019 Field 2D, 2C

Shimokawa, H.; Inoue, T.
RESEARCH ON RICE CULTURE AND FARM MANAGEMENT BY THE EFFICIENT USE OF LARGE-SIZED FARM MACHINERY. 6: THE VARIATIONS OF SOIL PROPERTIES AND GROWTH OF RICE IN ENLARGED FIELD WHERE ARABLE LAND IMPROVEMENTS WERE MADE. 3p.
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Trans. from Kyushu Nogyo Kenkyu (Japan) n27 Jul 1965.

TT-66-14020 Field 2D, 2C

Koya, S.; Mori, M.; Inoue, T.
RESEARCH ON RICE CULTURE AND FARM MANAGEMENT BY THE EFFICIENT USE OF LARGE-SIZED FARM MACHINERY. 5: THE CHARACTERS OF COMBINE HARVESTER IN PADDY FIELD. 3p.
Order from SLA or ETC: $1.10 as TT-66-14020

Trans. from Kyushu Nogyo Kenkyu (Japan) n27 Jul 1965.

TT-66-14023 Field 2D

Akino, K.
REPELLENT-LIKE REACTION OF LEAF HOPPERS AGAINST DDT. 5p.
Order from SLA or ETC: $1.10 as TT-66-14023

Trans. from Kanto Tosan Byogaichu Kenkyukai Nenpo (Japan) v11 1964.

TT-66-14021 Field 2D, 2C

Koya, S.; Mori, M.; Inoue, T.
RESEARCH ON RICE CULTURE AND FARM MANAGEMENT BY THE EFFICIENT USE OF LARGE-SIZED FARM MACHINERY. 4: SOME PROBLEMS IN APPLYING LARGE-SIZED FARM MACHINERY IN PADDY FIELD. 3p.
Order from SLA or ETC: $1.10 as TT-66-14021

Trans. from Kyushu Nogyo Kenkyu (Japan) n27 Jul 1965.

TT-66-14022 Field 2D

Shibamoto, S.; Kureha, K.; Yamagishi, Y.
EFFECTS OF SYSTEMIC INSECTICIDES ON RICE STEM BORERS. 5p.
Order from SLA or ETC: $1.10 as TT-66-14022

Trans. from Kanto Tosan Byogai chu Kenkyukai Nenpo (Japan) v12 1965.

TT-66-14024 Field 2D

Hashida, N.
A STUDY CONCERNING DIFFERENCE IN THE GROWTH AND DAMAGE OF RICE STEM BORER IN LARGE PADDY FIELDS UNDER VARIOUS SOIL CONDITIONS. 1: DIFFERENCE IN THE GROWTH OF LARVAE OF RICE STEM BORER IN RICE PLANTS, BY TYPES OF SOIL, AND THEIR DAMAGE. 9p (foreign text included) 5refs.
Order from SLA or ETC: $1.10 as TT-66-14024
Trans. of Nogyo Oyobi Engei (Japan) v39 n5 p91-2 (827-8) 1964.

TT-66-14025 Field 2D

Hashida, N.
A STUDY CONCERNING DIFFERENCE IN THE GROWTH AND DAMAGE OF RICE STEM BORER IN LARGE PADDY FIELDS UNDER VARIOUS SOIL CONDITIONS. 2: DEGREES OF DAMAGE ON RICE PLANTS, THE WEAR OF MANDIBLES OF RICE STEM BORER, ITS FACES. 8p (foreign text included, refs omitted).
Order from SLA or ETC: $1.10 as TT-66-14025
Trans. of Nogyo Oyobi Engei (Japan) v39 n11 p93-4 (1729-30) 1964.

TT-66-14026 Field 2D, 2C

Uchida, A.; Inoue, T.
RESEARCH ON RICE CULTURE AND FARM MANAGEMENT BY THE EFFICIENT USE OF LARGE-SIZED FARM MACHINERY. 8: ON THE LABOUR CONSTITUTION OF RICE PRODUCTION IN DIRECT-SOWING CULTURE AT THE MIZUMA MACHINERY TEST FARM. 6p (foreign text included).
Order from SLA or ETC: $1.10 as TT-66-14026
Trans. of Kyushu Nogyo Kenkyu (Japan) n27 p38 1965.

TT-66-14028 Field 2D

Kuribayashi, K.
ON THE GERMINATION OF CAUSAL FUNGUS OF THE RICE LEAF SMUT. 4p.
Order from SLA or ETC: $1.10 as TT-66-14028

Trans. of Nihon Shokubutsu Byorigaku Kaiho (Japan) v4 p68-9 1934.

TT-66-14029 Field 2D

Ito, S.; Ishizuka, K.
ON THE CAUSAL FUNGUS OF SESAMOID LEAF SPOT (LEAF SMUT) OF RICE PLANT. 5p.
Order from SLA or ETC: $1.10 as TT-66-14029

Trans. of Nihon Shokubutsu Byorigaku Kaiho (Japan) v4 p66-8 1934.

TT-66-14030 Field 2D

Kubota, M.; Shibamoto, S.
COLLECTING METHOD OF PLANT HOPPERS AND LEAF HOPPERS. 5p (foreign text included).
Order from SLA or ETC: $1.10 as TT-66-14030

Trans. from Kanto Tosan Byogaichu Kenkyukai Nenpo (Japan) v12 1965.

TT-66-33356 Field 2D

Tashliev, A. O.; Myartseva, S. N.
CONFERENCE ON AGRICULTURAL PLANT PROTECTION AND QUARANTINE (1-3 DEC 65). 10 Aug 66, 4p. JPRS-36926.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33356

Trans. of Akademiya Nauk Turkmenskoi SSR, Ashkhabad. Izvestiya. Seriya Biologicheskikh Nauk, n1 p94-5 1966.

TT-66-34449 Field 2D

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: AGRICULTURAL SCIENCES AND TECHNOLOGY NO. 35
5 Oct 66, 20p. JPRS-38022.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34449

Abstract trans. of Chiang Su Nung Hsueh Pao (Chinese People's Republic) v5 n2 p1-93 1966.

TT-66-34522 Field 2D, 2E, 2C

Stepanov, A.; Grigalyunas, M.
USSR AGRICULTURE: TRANSLATIONS NO. 159.
11 Oct 66, 13p. JPRS-38095.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34522

Trans. from Ekonomicheskaya Gazeta (USSR) n30 p32-3 1966.

TT-66-34563 Field 2D, 2C, 2B

EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 482.
13 Oct 66, 30p, refs. JPRS-38136.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-34563

## E. Animal husbandry

NCH-205 386 Field 2E

Rosenberger, G.
COMPARATIVE TESTS ON THE CONTROL OF HYPODERMOSIS BY TOTAL SPRAY OR BY RINSING THE DORSAL REGION OF CATTLE, EFFECTED IN THE SPRING WITH A NEGUVON SOLUTION. 1966, 7p. IICH-8817.
Order from IICH: $7.00 as IICH-8817

Trans. of Deutsche Tieraerztliche Wochenschrift (West Germany) v67 p558-60 1960.

NCH-205 810 Field 2E

Ionov, P. S.; Timoshkin, Z. F.
THE EFFECT OF VEGETABLE BITTERS ON MOTOR FUNCTION OF THE RUMEN IN CATTLE (O Vliyanii Rastitelnykh Gorechei na Motornuyu Funktsiya Predzheludkov i Krupnogo Rogatogo Skota). Aug 66, 4p. RTS-3048.
Order from NLL: 5s as RTS-3048

Trans. of Veterinariya (USSR) v38 n2 p54-5 1961.

NCH-205 813 Field 2E

Savenko, E. S.; Igolkina, L. I.
USE OF A PETROLEUM GROWTH STIMULATING SUBSTANCE IN SWINE BREEDING (Ispolzovanie Nefryanovo Rostovovo Veshchastva v Svinovodstve). Aug 66, 2p. RTS-3016.
Order from NLL: 2s 6d as RTS-3016

Trans. of Svinovodstvo (USSR) n9 p41 1963.

NCH-205 832 Field 2E

Prandzhev, I. P.
THE TREATMENT OF PARTURIENT COWS WITH TORSION OF THE UTERUS. NATAL WELFARE FOR COWS WITH TWISTING OF THE UTERUS (Rodovspomozhenie pri Skruchivanii Matki u Korov). Aug 66, 3p. RTS-3378.
Order from NLL: 7s 6d as RTS-3378

Trans. of Veterinariya (USSR) v42 n10 p67-9 1965.

TT-65-50502 Field 2E

Horszczaruk, F.
EFFECTS ON DIGESTIVE PROCESSES IN PIGS OF DIFFERENT AMOUNTS OF CRUDE FIBER IN THE RATION (Wplyw Zroznicowanego Poziomu Wlokna Surowego w Dawkach na Procesy Trawienne u Swin). Tr. by J. Szwalbe. 1966, 34p, refs. SFCSI-Agr(TT-65-50502).
Order from CFSTI: $2.00 as TT-65-50502

Trans. of Roczniki Nauk Rolniczych. Seria B: Zootechniczna (Poland) v80 n1 p5-22; n2 p115-25; n3 p333-46 1962.

TT-66-34627 Field 2E, 2B

EAST EUROPEAN AGRICUTLURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 484. 18 Oct 66,

25p. JPRS-38200.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34627

TT-66-34672 Field 2E

PRAVDA EDITORIALS (15 OCT 1966): TRANSLATIONS NO. 705. 19 Oct 66, 5p. JPRS-38246.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34672

Trans. from Pravda, Moscow (USSR) 15 Oct p1 1966.

TT-66-34708 Field 2E, 2D, 2B

Popov, A.; Sandev, S.; Hofmann, M.
EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 485. 24 Oct 66, 33p. JPRS-38282.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34708

Trans. of Selskostopanska Nauka (Bulgaria) n2 p3-7, 27-38 1966, and Feldwirtschaft (East Germany) n8 p401-3 1966.

TT-66-61879 Field 2E

Fedorovski, N. P.
A SYNOPSIS OF THE TOTAL SCIENTIFIC INVESTIGATION IN 1960 (K Itogam Nauchnish Issledovanii V 1960 Godu). Tr. by A. Coppersmith. 1966, 14p.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50
as TT-66-61879

Trans. of Ptitsevodstvo (USSR) v10 p95 1960.

## F. Forestry

NCH-205 614 Field 2F

Machanicek, J.
LABORATORY TYPE ELECTRICAL DRYER AND STRIPPER OF CONES AND OTHER CONE-LIKE FRUITS OF FOREST TREES SPECIES (Laboratorni Elektricka Susarna a Lustirna Sisek a Sistic Lesnich Drevin). 1966, 8p. NRC-C-6050; ODF-TR-42.
Order from NRC as C-6050

Trans. of Lesnicka Prace (Czechoslovakia) v42 n7 p305-8 1963.

TT-65-50351 Field 2F, 2C

Dominik, T.
EXPERIMENTS WITH INOCULATION OF AGRICULTURAL LAND WITH MICROBIAL CENOSIS FROM FOREST SOILS (Badania nad Przeszczepianiem Mikrobocenoz Gleb Lesnych na Tereny Rolne). 1966, 52p, 17refs. SFCSI-Agr(TT-65-50351).
Order from CFSTI: $2.00 as TT-65-50351

Trans. of Instytut Badawczy Lesnictwa. Prace (Poland) n210 p103-62 1961.

TT-66-26093 Field 2F

Ohkura, S.; Ozawa, K.; Takashima, K.; Takeiri, K.
THE TWISTING AND WARPING OF WOOD. 5p.
Order from ETC or SLA: $1.10 as TT-66-26093
Trans. of Mokuzai Gakkaishi (Japan) v7 n5 p205-7 1961.

TT-66-26094 Field 2F, 2C

Antoniu, M. E.; Orenski, S.
DETERMINATION OF INVERTASE ACTIVITY IN SOME FOREST AND PASTURE SOILS. 4p.
Order from ETC or SLA: $1.10 as TT-66-26094

Trans. of Academia Republicii Populare Romine. Comunicarile (Rumania) v10 n2 p159-64 1960.

TT-66-51072 Field 2F, 8H

Rakhmanov, V. V.
ROLE OF FORESTS IN WATER CONSERVATION. Tr. by A Gourevitch and L. M. Hughes. 1966, 201p, 334refs. SFCSI-Agr(TT-66-51072).
Order from CFSTI: $5.00 as TT-66-51072

Trans. of mono. Vodookrannaya Rollesov, Moscow, 1962.

# 03 ASTRONOMY AND ASTROPHYSICS

## A. Astronomy

TT-66-62254 Field 3A

Bugaenko, L. A.; Bugaenko, O. I.; Koval, I. K.; Morozhenko, A. V.
BRIGHTNESS DISTRIBUTION IN THE LIMB ZONE OF MARS (Raspredelenie Yarkosti v Kraevoi Zone Marsa). Mar 66, 11p, refs. NASA-TT-F-10018; N66-23538.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as N66-23538

Trans. of mono. Fiz. Luny i Planet (sic) Kiev, 1964 p54-7.

## B. Astrophysics

NCH-202 365(p.400-429) Field 3B

Kotelnikov, V. A.
ADVANCES OF PLANETARY RADIOLOCATION. May 65, 30p.
Order from HMSO in NLL Translations Bulletin, v7 n5.

Trans. of Priroda (USSR) v53 n9 p2-12 1964.

NCH-205 817 Field 3B

Boyarchuk, A. A.; Efimov, Yu. S.; Stepanov, V. E.
MAGNETIC ENHANCEMENT OF ADSORPTION LINES (Magnitnoe Usilenie Linii Poglosheheniya). Aug 66, 34p, 21refs. RTS-2800.
Order from NLL: 40s as RTS-2800

Trans. of Akademiya Nauk SSSR. Izvestiya. Krymskaya Astrofizicheskaya Observatoriya (USSR) v24 p52-77 1960.

NCH-205 828 Field 3B

Tinto, I. P.
MEASURING THE INTENSITY OF SOLAR X-RADIATION BY MEANS OF THE SATELLITE 'ELEKTRON-2'. Aug 66, 26p, 14refs.. RTS-3232.
Order from NLL: 40s as RTS-3232

Trans. of mono. Izmerenie Intensivnosti Rentgenovskogo Izlucheniya Solntsa s Pomoshchyu Kosmicheskoi Stantsii 'Elektron-2', n.p., 1965 p1-32.

TT-65-60304 Field 3B

Connes, J.
SPECTROSCOPIC STUDIES USING FOURIER TRANSFORMATIONS (Recherches sur la Spectroscopie par Transformation de Fourier). 178p, 66refs. NOTS-TP-3157; NAVWEPS-8099; AD-409 869.
Order from CFSTI or ETC: HC$18.40 as AD-409 869

Trans. from Revue d'Optique Theorique et Instrumentale (France) v40 p45-8, 116-40, 171-90, 231-65 1961.

TT-66-61332 Field 3B, 20N

Vasileva, G. Ya.; Yudina, I. V.
PRELIMINARY RESULTS OF THE PHOTOELECTRIC OBSERVATIONS OF SOLAR GRANULATION IN THE SUMMER OF 1964. Tr. by P. A. Kazakov. 1966, 17p (foreign text included) 3refs. CSIRO-trans-7718.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50 as TT-66-61332

Trans. of Solnechnye Dannye (USSR) n3 p58-67 1965.

TT-66-61530 Field 3B

Benediktov, E. A.; Getmantsev, G. G.; Sazonov, Yu. A.; Tarasov, A. F.
PRELIMINARY RESULTS OF THE ELEKTRON-2 MEASUREMENTS OF THE INTENSITY OF THE DISTRIBUTED COSMIC RADIO EMISSION AT FREQUENCIES OF 725 AND 1525 KC/S. Tr. by P. A. Kazakov, 1966, 9p (foreign text included) 4refs. CSIRO-Trans-7962.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61530

Trans. of Komicheskie Issledovaniya (USSR) v3 n4 p614-7 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-62252 Field 3B

Koval, I. K.
STUDY OF THE EARTH-TYPE PLANETS (Izuchenie Planet Tipa Zemli). Mar 66, 13p. NASA-TT-F-9898; N66-23536.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as N66-23536

Trans. of Zemlya i Vselennaya (USSR) v1 n6 p53-5 1965.

TT-66-62265 Field 3B

Moroz, V. I.
INFRARED SPECTROPHOTOMETRY OF THE MOON AND GALILEAN SATELLITES OF JUPITER (Opyt Infrakrasnoi Spektrofotometrii Sputnikov: Luna i Galileevskie Sputniki Yupitera). Mar 66, 23p, refs. NASA-TT-F-10025; N66-23606.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as N66-23606

Trans. of Astronomicheskii Zhurnal (USSR) v42 n6 p1287-95 1965.

TT-66-62268 Field 3B

Priboeva, N. V.; Teifel, V. G.
INTENSITY OF METHANE ABSORPTION IN 6190 ANGSTROM BAND ON JUPITER'S DISK (Ob Intensivnosti Metanovogo Pogloshcheniya v Polose Ch4 6190 Angstrom na Diske Yupitera). Apr 66, 28p, refs. NASA-TT-F-10062; N66-23610.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as N66-23610

Trans. of Akademiya Nauk Kazakhskoi SSR, Alma-Ata. Izvestiya. Seriya Fiziko-Matematicheskikh Nauk, v16 n1 p61-73 1963.

TT-66-62412 Field 3B, 4A, 8N

Bezrukikh, V. V.; Gringauz, K. I.
INVESTIGATION OF THE FLOWS OF SOLAR PLASMA ON INTERPLANETARY STATION ZOND-2. 25 Apr 66, 12p, 8refs. FTD-TT-65-1946; AD-640 247.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 247

Unedited rough draft trans. of Akademiya Nauk SSSR. Doklady, v163 n4 p873-6 1965.

TT-66-62496 Field 3B, 22A

Rozenberg, G. V.
ON TWILIGHT INVESTIGATIONS OF PLANETARY ATMOSPHERES FROM SPACE SHIPS. 17 Jun 66, 20p, 1ref. FTD-MT-65-400; AD-640 725.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 725

Edited machine trans. of Akademiya Nauk SSSR. Izvestiya. Fizika Atmosfery i Okeana, v1 n4 p377-85 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-62517 Field 3B

NEW TECHNIQUES IN ASTRONOMY. MATERIALS OF THE 1961 CONFERENCE: SELECTED ARTICLES. 6 Apr 66, 22p, 4refs. FTD-TT-65-1537; AD-641 106.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-641 106

Unedited rough draft trans. of mono. Novaya Tekhnika v Astronomii. Materialy Soveshchaniya 1961 G, n.p., 1963 p165-74.

## 04 ATMOSPHERIC SCIENCES

### A. Atmospheric physics

TT-66-13826 Field 4A

NEW INVESTIGATION IN ATMOSPHERIC ELECTRICITY. 2p.
Order from SLA: $1.10 as TT-66-13826

Trans. of Nuovo Cimento (Italy) s8 v6 p141-2 1929.

TT-66-20959 Field 4A

Kazimirov, E. S.
THE GENERAL CIRCULATION IN THE IONOSPHERE. 4p, 4refs.
Order from ETC: $1.10 as TT-66-20959

Trans. of Geomagnetizm i Aeronomiya (USSR) v2 n6 p1084-90 1962.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-20960 Field 4A

Fligel, M. D.
THE GEOGRAPHICAL DISTRIBUTION OF IONOSPHERIC ABSORPTION. 3p, 1ref.
Order from ETC: $1.10 as TT-66-20960

Trans. of Geomagnetizm i Aeronomiya (USSR) v2 n6 p1091-4 1962.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-34324 Field 4A

Rozenberg, G. V.; Sandomirskii, A. B.; Trifonova, G. I.
BRIGHTNESS PROFILE OF THE DAY HORIZON OF THE PLANET EARTH. 29 Sep 66, 15p, 8refs. JPRS-37896.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34324

Trans. of Akademiya Nauk SSSR. Izvestiya. Fizika Atmosfery i Okeana, v1 n12 p1270-8 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-61838 Field 4A

Britaev, A. S.
THE MEASUREMENTS OF ATMOSPHERIC OZONE CONCENTRATION BY CHEMICAL AND ELECTRO-CHEMICAL METHODS. Tr. by R. J. Zatorski. 1966, 25p (foreign text included) 37refs. CSIRO-Trans-7717.
Order from CFSTI, SLA, or ETC: HC$2.60, MF$0.50 as TT-66-61838

Trans. of Tsentralnaya Aerologicheskaya Observatoriya. Trudy (USSR) n37 p13-23 1960.

TT-66-62493 Field 4A

Shchepkin, L. A.
REGULAR VARIATIONS OF THE CONTENT OF ELECTRONS IN THE LOWER PART OF LAYER F2 OF THE IONOSPHERE AT THE MIDDLE LATITUDES. 30 Jun 66, 20p, 12refs. FTD-MT-65-489; AD-640 722.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 722

Edited machine trans. of mono. Ionosfery i Rasprostraneniya Radiovoln, Moscow, 1963 p66-74.

## B. Meteorology

NCH-205 668 Field 4B

Borisov, P. M.
THE PROBLEM OF FUNDAMENTAL IMPROVEMENT OF CLIMATE (K Probleme Korennogo Uluchsheniya Klimata). Apr 66, 33p, 48refs. RTS-3000.
Order from NLL: 37s 6d as RTS-3000

Trans. of Vsesoyuznoe Geograficheskoe Obshchestvo. Izvestiya (USSR) v94 n4 p304-18 1962.

NCH-205 820 Field 4B, 2D

Nevskii, S. P.
WATER USE BY PLANTS AND METEOROLOGICAL CONDITIONS (Vodopotreblenie Rastenii i Meteorologischeskie Usloviya). Aug 66, 10p, refs. RTS-3616.
Order from NLL: 15s as RTS-3616

Trans. of Vestnik Selskokhozyaistvennoi Nauki, Alma Ata (USSR) v10 n2 p129-34 1965.

TT-61-11147-141 Field 4B, 8C, 4A, 8E, 22-

SOVIET-BLOC RESEARCH IN GEOPHYSICS, ASTRONOMY, AND SPACE NO. 141. 29 Sep 66, 87p. JPRS-37931.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-61-11147-141

TT-66-34088 Field 4B, 20D

Melnichuk, Yu. V.;
DOPPLER RADAR MEASUREMENTS OF TURBULENCE IN PRECIPITATIONS. 16 Sep 66, 13p, 13refs. JPRS-37660.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34088

Trans. of Akademiya Nauk SSSR. Izvestiya. Fizika Atmosfery i Okeana, v2 n7 p695-704 1966.

TT-66-34283 Field 4B

Koprov, C. M.; Monin, A. S.
ATMOSPHERIC TURBULENCE RESEARCH. 27 Sep 66, 57p, 93refs. JPRS-37855.
Order from CFSTI or ETC: HC$3.00, MF$0.50 as TT-66-34283

Trans. of Akademiya Nauk SSSR. Izvestiya. Fizika Atmosfery i Okeana, v1 n11 p1151-9 1965 and of Teoriya Veroyatnostei i Ee Primeneniya (USSR) v3 n3 p285-317 1958.

TT-66-62367 Field 4B

Rikhter, G. D.
SNOW COVER, ITS FORMATION AND PROPERTIES. Tr. by William Mandel. Aug 54, 61p, 102refs. CRREL-Trans-6; AD-45 950.
Order from CFSTI or ETC: HC$6.60 as AD-45 950

Trans. of mono. Snezhnii Pokrov, Ego Formirovanie i Svoistva, Moscow 1945.

# 05 BEHAVIORAL AND SOCIAL SCIENCES

## A. Administration and management

NCH-202 365 Field 5A

NLL TRANSLATIONS BULLETIN, 1965, VOL. 7, NO. 5 P. 397-490. May 65, lv.
Order from HMSO 4s, L2 13s/year

This bulletin includes books received from the USSR, Translations available for purchase or on loan from NLL and 5 articles from Russian journals.
A separate entry has been prepared for the 4 articles.

TT-66-33234 Field 5A, 6E

NORTH VIETNAM: TRANSLATIONS NO. 12, 3 Aug 66, 32p. JPRS-36804.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-33234

TT-66-33369 Field 5A

NORTH VIETNAM: TRANSLATIONS NO. 16. 10 Aug 66, 23p. JPRS-36939.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33369

TT-66-33377 Field 5A

Filipov, G.
CHANGES IN THE SYSTEM OF INDICATORS AND IN THE SEQUENCE AND METHODS OF PLANNING IN BULGARIA. 11 Aug 66, 71p. JPRS-36947.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-66-33377

Trans. of Problemi na Novata Sistema na Planirane i Rukovodstvo na Narodnoto Stopanstvo (Bulgaria) n1 p3-131 1966.

TT-66-33386 Field 5A

Kardos, I.
ACTIVITIES OF THE CORPORATE ORGANS OF THE HUNGARIAN ACADEMY OF SCIENCES. 11 Aug 66, 10p. JPRS-36956.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33386

Trans. of Magyar Tudomany (Hungary) n4 p260-4 1966.

TT-66-33388 Field 5A

DRAFT OF A UNIFIED RUMANIAN SCIENTIFIC RESEARCH PROGRAM FOR 1966-1970. 11 Aug 66, 9p. JPRS-36958.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33388

Trans. of Munca (Rumania) n5810 p2 1966.

TT-66-33450 Field 5A, 8-, 6-, 5-

VESTNIK OF THE USSR ACADEMY OF SCIENCES, VOL. 36, NO. 3, 1966. 16 Aug 66, 348p. JPRS-37020.
Order from CFSTI or ETC: HC$7.00, MF$1.75
as TT-66-33450

Trans. of Akademiya Nauk SSSR, Vestnik, v36 n3 199p 1966.

TT-66-34069 Field 5A, 5I

NORTH VIETNAM: TRANSLATIONS NO. 30. 15 Sep 66, 27p. JPRS-37641.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34069

TT-66-34113 Field 5A

ANNUAL GENERAL MEETING OF THE ACADEMY OF SCIENCES BELORUSSIAN SSR 1966. 19 Sep 66, 15p. JPRS-37685.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34113

Trans. of Akademiya Navuk BSSR, Minsk. Vestnik, n2 p134-8 1966.

TT-66-34184 Field 5A

SOUTH AND EAST ASIA: TRANSLATIONS NO. 132. Cambodia. 21 Sep 66, 8p. JPRS-37756.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34184

TT-66-34253 Field 5A, 5I

Levina, L.
MEANS OF RAISING THE EFFICIENCY OF SCIENTISTS. 23 Sep 66, 12p. JPRS-37825.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34253

Trans. from Ekonomicheskaya Gazeta (USSR) n35 p35-6 1966.

TT-66-34254 Field 5A, 5I

Cantacuzene, J.
NEW ACADEMIC CITY IN SIBERIA IS FOCUS OF ADVANCED RESEARCH IN THE SOVIET UNION. 26 Sep 66, 12p. JPRS-37826.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34254

Trans. from le Monde (France) 8/9 May p1, 18; 10 May p7 1966.

TT-66-34321 Field 5A

Biji, M.
NEW GUIDELINES FOR SCIENTIFIC RESEARCH IN RUMANIA. 29 Sep 66, 6p. JPRS-37893.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34321

Trans. of Rominia Libera (Rumania) v24 n6795 p1, 2 1966.

TT-66-34346 Field 5A

AFRICA: TRANSLATIONS NO. 440. 29 Sep 66, 85p. JPRS-37918.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-66-34346

TT-66-34353 Field 5A

Rusznyak, I.
DIRECTIVE OF THE HUNGARIAN ACADEMY OF SCIENCES ON ACADEMIC AWARDS AND ACADEMIC DEGREES. 29 Sep 66, 61p. JPRS-37925.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-66-34353

Trans. of Magyar Tudomanyos Akademia. Akademia Kozlony (Hungary) v15 n9 p63-83 1966.

TT-66-34364 Field 5A, 9B

Prokhorov, D. R.
THE USE OF ELECTRONIC COMPUTERS IN PLANNING. 30 Sep 66, 7p. JPRS-37937.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34364

Trans. of Byulleten Stroitelnoi Tekhniki (USSR) n6 p19-21 1966.

TT-66-34386 Field 5A

AFRICA: TRANSLATIONS NO. 441. 3 Oct 66, 37p. JPRS-37959.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-34386

TT-66-34434 Field 5A

NORTH VIETNAM: TRANSLATIONS NO. 41. 5 Oct 66, 30p. JPRS-38007.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-34434

TT-66-34444 Field 5A

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 50. 5 Oct 66, 14p. JPRS-38017.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34444

Abstract trans. from K'o Hsueh Ta Chung (Chinese People's Republic) n2, n3 1966 and from K'o Hsueh Hua Pao (Chinese People's Republic) n2 1966.

TT-66-34474 Field 5A

Nam Van; Anh Vu.
NORTH VIETNAM: TRANSLATIONS NO. 43. 6 Oct 66, 13p. JPRS-38047.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34474

Trans. from Thu Do Hanoi (North Vietnam) 16 Jul p1, 2 1966, and Nhan Dan (North Vietnam) 8 Aug p2, 3 1966.

TT-66-34612 Field 5A

NORTH VIETNAM: TRANSLATIONS NO. 47. 17 Oct 66, 20p. JPRS-38185.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34612

TT-66-34613 Field 5A

CUBA: TRANSLATIONS NO. 501. 17 Oct 66, 15p. JPRS-38186.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34613

TT-66-34650 Field 5A

Korolev, M.
LENINGRAD PARTY APPARATUS CALLS FOR IMPROVEMENT IN RESEARCH AND PLANNING. 18 Oct 66, 5p. JPRS-38223.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34650

Trans. from Pravda, Moscow (USSR) 12 Sep p2 1966.

TT-66-34651 Field 5A

Gaisinovich, A. E.
THE WORK OF SOVIET SCIENTISTS AND SCIENTIFIC ORGANIZATIONS. 18 Oct 66, 9p. JPRS-38224.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34651

Trans. of Priroda (USSR) n6 p5, 18-9 1966.

TT-66-34668 Field 5A

NORTH VIETNAM: TRANSLATIONS NO. 50. 19 Oct 66, 62p. JPRS-38242.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-34668

TT-66-34696 Field 5A

Radulet, R.
ACHIEVEMENTS OF THE RUMANIAN ACADEMY OF SCIENCES. 21 Oct 66, 11p. JPRS-38270.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34696

Trans. of Lupta de Clasa (Rumania) v46 n9 p36-44 1966.

TT-66-34715 Field 5A

AFRICA: TRANSLATIONS NO. 448. 24 Oct 66, 20p. JPRS-38289.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34715

TT-66-34720 Field 5A

ALBANIA: PRESS INFORMATION REPORT NO. 195. 24 Oct 66, 19p. JPRS-38294.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34720

TT-66-34741 Field 5A

AFRICA: TRANSLATIONS NO. 449. 25 Oct 66, 133p. JPRS-38315.
Order from CFSTI or ETC: HC$4.00, MF$1.00 as TT-66-34741

TT-66-34802 Field 5A

NORTH VIETNAM: TRANSLATIONS NO. 54. 28 Oct 66, 28p. JPRS-38376.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-34802

## B. Documentation and information technology

TT-66-14222 Field 5B

Levinskii, L. S.; Tsukhai, A. N.
METHODS OF CONSTRUCTING MEMORY UNITS IN WHICH REPEATED INFORMATION IS WRITTEN ONLY ONCE. 8p, 4refs.
Order from SLA or ETC: $1.10 as TT-66-14222

Trans. of Nauchno-Tekhnicheskaya Informatsiya (USSR) n7 p31-33 1965.

TT-66-20987 Field 5B

Vladychenko, V. V.
THE SYSTEM OF COORDINATION OF TRANSLATIONS

IN THE USSR (Sistema Koordinatsii Perevodov v SSSR). 8p. DTC-93.
Order from ETC or DTC: $1.10 as TT-66-20987

Unedited draft trans. of Tekhnicheskie Biblioteki SSSR, v30 n8 p3-7 1964.

TT-66-33196 Field 5B

SCIENTIFIC AND TECHNICAL INFORMATION, NO. 1, 1966. 2 Aug 66, 160p, refs. JPRS-36765.
Order from CFSTI or ETC: HC$5.00, MF$1.00
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Trans. of Nauchno-Tekhnicheskaya Informatsiya (USSR) n1 p2-56 1966.

TT-66-34547 Field 5B, 5G

SCIENTIFIC AND TECHNICAL INFORMATION, NO. 4. 1966. 12 Oct 66, 146p, refs. JPRS-38120.
Order from CFSTI or ETC: HC$4.00, MF$1.00
as TT-66-34547

Trans. of Nauchno-Tekhnicheskaya Informatsiya (USSR) n4 60p 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

## C. Economics

TT-66-30335 Field 5C, 5D, 6I

HUNGARIAN PROVINCIAL PRESS (15-19, 21 DEC 65): SUMMARY NO. 387. 26 Jan 66, 24p. JPRS-33892.
Order from CFSTI, SLA or ETC: HC$1.00, MF$0.50
as TT-66-30335

TT-66-33370 Field 5C

EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 461. 10 Aug 66, 29p. JPRS-36940.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-33370

TT-66-33396 Field 5C, 5I

AFRICA: TRANSLATIONS NO. 414. 12 Aug 66, 41p. JPRS-36966.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-33396

TT-66-34053 Field 5C

USSR INTERNATIONAL ECONOMIC RELATIONS NO. 70. 15 Sep 66, 24p, JPRS-37625.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34053

TT-66-34066 Field 5C, 5A

ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 604. 15 Sep 66, 17p. JPRS-37638.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34066

TT-66-34145 Field 5C, 5D

PRAVDA EDITORIALS (14 SEP 1966): TRANSLATIONS NO. 685. 19 Sep 66, 6p. JPRS-37717.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34145

Trans. from Pravda, Moscow (USSR) 14 Sep p14 1966.

TT-66-34150 Field 5C

CUBA: TRANSLATIONS NO. 487. 20 Sep 66, 35p. JPRS-37722.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34150

TT-66-34153 Field 5C, 5K, 5I

CUBA: TRANSLATIONS NO. 488. 20 Sep 66, 51p. JPRS-37725.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34153

TT-66-34168 Field 5C, 5D

RUMANIAN PROVINCIAL PRESS (20 JUL-4 AUG 66): SUMMARY NO. 358. 20 Sep 66, 26p. JPRS-37740.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34168

TT-66-34189 Field 5C

EAST EUROPEAN MATERIALS INDUSTRIES: TRANSLATIONS NO. 311. 21 Sep 66, 42p. JPRS-37761.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34189

TT-66-34192 Field 5C

ALBANIA: PRESS INFORMATION REPORT NO. 186. 23 Sep 66, 25p. JPRS-37764.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34192

TT-66-34194 Field 5C

EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 470. 23 Sep 66, 28p. JPRS-37766.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34194

TT-66-34195 Field 5C, 5A

ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 605. 23 Sep 66, 36p. JPRS-37767.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34195

TT-66-34196 Field 5C, 5I

NORTH VIETNAM: TRANSLATIONS NO. 34. 23 Sep 66, 19p. JPRS-37768.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34196

TT-66-34201 Field 5C

USSR INTERNATIONAL ECONOMIC RELATIONS NO. 71. 23 Sep 66, 44p. JPRS-37773.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34201

TT-66-34205 Field 5C, 5D, 5K

CUBA: TRANSLATIONS NO. 490. 23 Sep 66, 37p. JPRS-37777.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34205

TT-66-34218 Field 5C, 5D

RUMANIAN PROVINCIAL PRESS (4-11 AUG 1966): SUMMARY NO. 359. 23 Sep 66, 33p. JPRS-37790.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34218

TT-66-34220 Field 5C

CUBA: TRANSLATIONS NO. 491. 23 Sep 66, 56p. JPRS-37792.
Order from CFSTI or ETC: HC$3.00, MF$0.50
as TT-66-34220

TT-66-34235 Field 5C

PRAVDA EDITORIAL (20 SEP 1966): TRANSLATION NO. 688. 23 Sep 66, 4p. JPRS-37807.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34235

Trans. from Pravda, Moscow (USSR) 20 Sep p1 1966.

TT-66-34241 Field 5C

USSR ECONOMY AND INDUSTRY: CURRENT DEVELOPMENTS NO. 13. 26 Sep 66, 46p. JPRS-37813.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34241

TT-66-34243 Field 5C, 5D

EAST EUROPEAN MATERIALS INDUSTRIES: TRANSLATIONS NO. 312. 26 Sep 66, 23p, refs. JPRS-37815.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34243

TT-66-34257 Field 5C

PRAVDA EDITORIALS (21 SEP 66): TRANSLATIONS NO. 689. 26 Sep 66, 6p. JPRS-37829.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34257

TT-66-34281 Field 5C

EAST EUROPEAN FOREIGN TRADE: TRANSLATIONS NO. 299. 27 Sep 66, 12p. JPRS-37853.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34281

TT-66-34298 Field 5C

USSR ECONOMY AND INDUSTRY: GENERAL INFORMATION NO. 32. 28 Sep 66, 36p. JPRS-37870.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34298

TT-66-34301 Field 5C

COMMUNIST CHINA: ECONOMIC TRANSLATIONS NO. 13. 28 Sep 66, 13p. JPRS-37873.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34301

Trans. from Ta Kung Pao (Chinese People's Republic) 26-27 Aug p2 1966.

TT-66-34310 Field 5C

USSR CONSUMER GOODS AND DOMESTIC TRADE: TRANSLATIONS NO. 141. 28 Sep 66, 29p. JPRS-37882.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34310

TT-66-34335 Field 5C, 2B, 5I

ALBANIA: PRESS INFORMATION REPORT NO. 187. 29 Sep 66, 94p. JPRS-37907.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-66-34335

TT-66-34338 Field 5C, 8F

Kuehlhorn, F.
ECONOMIC AND GEOGRAPHIC TRANSLATIONS ON LATIN AMERICA NO. 51. Explorations in the Sourthern Mato Grosso. Pt. 3: Man and His Forms of Life. 29 Sep 66, 34p (figs omitted) refs. JPRS-37910.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34338

Trans. of Petermanns Geographische Mitteilungen (East Germany) v103 n3 p257-72 1959.

TT-66-34341 Field 5C

Popov, K.
METHODS OF DETERMINING THE EFFECTIVENESS OF FOREIGN TRADE. 29 Sep 66, 13p. JPRS-37913.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34341

Trans. of Vneshnyaya Torgovlya (USSR) n6 p20-5 1966.

TT-66-34350 Field 5C

EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 474. 29 Sep 66, 25p. JPRS-37922.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34350

TT-66-34361 Field 5C, 8F

Balhana, A. P.
ECONOMIC AND GEOGRAPHIC TRANSLATIONS ON LATIN AMERICA NO. 52. Aspects of the Human Geography of the Brazilian State of Parana. 30 Sep 66, 32p (figs omitted) refs. JPRS-37934.

Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34361

Trans. of Instituto de Biologia e Pesquisas Tecnologicas, Curitiba. Revista I. B. P. T. (Brazil) n35 p1-35 1955.

TT-66-34375 Field 5C, 5A

ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 608. 3 Oct 66, 43p. JPRS-37948.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34375

TT-66-34385 Field 5C

NORTH KOREA: TRANSLATIONS NO. 13. 3 Oct 66, 34p. JPRS-37958.
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as TT-66-34385

TT-66-34387 Field 5C, 5D, 5I

CUBA: TRANSLATIONS NO. 495. 3 Oct 66, 26p. JPRS-37960.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34387

TT-66-34392 Field 5C

USSR CONSUMER GOODS AND DOMESTIC TRADE: TRANSLATIONS NO. 142. 3 Oct 66, 14p. JPRS-37965.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34392

TT-66-34393 Field 5C

EAST EUROPEAN FOREIGN TRADE: TRANSLATIONS NO. 302. 3 Oct 66, 20p. JPRS-37966.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34393

TT-66-34394 Field 5C

EAST EUROPEAN HEAVY INDUSTRY: TRANSLATIONS NO. 293. 3 Oct 66, 22p. JPRS-37967.
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as TT-66-34394

TT-66-34395 Field 5C

EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 475. 3 Oct 66, 22p. JPRS-37968.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34395

TT-66-34397 Field 5C

USSR ECONOMY AND INDUSTRY: CURRENT DEVELOPMENTS NO. 14. 4 Oct 66, 54p. JPRS-37970.
Order from CFSTI or ETC: HC$3.00, MF$0.50
as TT-66-34397

TT-66-34402 Field 5C

USSR ECONOMY AND INDUSTRY: GENERAL INFORMATION NO. 35. 4 Oct 66, 26p. JPRS-37975.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34402

TT-66-34420 Field 5C

ALBANIA: PRESS INFORMATION REPORT NO. 189. 4 Oct 66, 14p. JPRS-37993.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34420

TT-66-34421 Field 5C

USSR ECONOMY AND INDUSTRY: GENERAL INFORMATION NO. 36. 4 Oct 66, 15p. JPRS-37994.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34421

TT-66-34423 Field 5C

USSR CONSUMER GOODS AND DOMESTIC TRADE: TRANSLATIONS NO. 143. 4 Oct 66, 33p. JPRS-37996.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34423

TT-66-34436 Field 5C, 8F

LATIN AMERICA: ECONOMIC AND GEOGRAPHIC TRANSLATIONS NO. 53. 6 Oct 66, 90p. JPRS-38009.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-66-34436

TT-66-34443 Field 5C, 5A

Huszar, I.; Meixner, L.; Pejovski, V.
ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 609. 5 Oct 66, 35p. JPRS-38016.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34443

Trans. of Kozgazdasagi Szemle (Hungary) n7/8 p824-34 1966 and Tehnika (Yugoslavia) v21 n8 p1297-303 1966.

TT-66-34473 Field 5C

COMMUNIST CHINA: ECONOMIC TRANSLATIONS NO. 14. 6 Oct 66, 8p. JPRS-38046.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34473

Trans. from Jen Min Jih Pao (Chinese People's Republic) 13 Sep p1 1966, and Kuang Ming Jih Pao (Chinese People's Republic) 6 Sep p2 1966.

TT-66-34475 Field 5C

Gusarov, A. S.; Kronrod, Ya.
USSR ECONOMY AND INDUSTRY: GENERAL INFORMATION NO. 37. 6 Oct 66, 26p, refs. JPRS-38048.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34475

Trans. of Moscow Univ. Vestnik (USSR) n4 p9-16 1966 and Politicheskoe Samoobrazovanie (USSR) v10 n6 p121-9 1966.

TT-66-34476 Field 5C

USSR ECONOMY AND INDUSTRY: CURRENT DEVELOPMENTS NO. 15. 6 Oct 66, 47p. JPRS-38049.
Order from CFSTI or ETC: HC$2.00, MF:0.50 as TT-66-34476

TT-66-34477 Field 5C

Dmitrieva, A. A.; Lipatov, N.; Karpilovskii, E.; Semenov, E.
USSR CONSUMER GOODS AND DOMESTIC TRADE: TRANSLATIONS NO. 144. 6 Oct 66, 23p. JPRS-38050.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34477

Trans. of Moscow Univ. Vestnik (USSR) n4 p45-52 1966, and Molochnaya Promyshlennost (USSR) v27 n7 p9-11 1966.

TT-66-34479 Field 5C, 5A

ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 610. Bulgaria. 6 Oct 66, 32p. JPRS-38052.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-34479

TT-66-34485 Field 5C

USSR ECONOMY AND INDUSTRY: GENERAL INFORMATION NO. 38. 6 Oct 66, 27p. JPRS-38058.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-34485

TT-66-34495 Field 5C

USSR ECONOMY AND INDUSTRY: GENERAL INFORMATION NO. 39. 10 Oct 66, 52p. JPRS-38068.
Order from CFSTI or ETC: HC$3.00, MF$0.50 as TT-66-34495

TT-66-34503 Field 5C

ALBANIA: PRESS INFORMATION REPORT NO. 191. 10 Oct 66, 15p. JPRS-38076.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34503

TT-66-34508 Field 5C

NEAR EAST: TRANSLATIONS NO. 35. 10 Oct 66, 59p. JPRS-38081.
Order from CFSTI or ETC: HC$3.00, MF$0.50 as TT-66-34508

TT-66-34511 Field 5C, 5D

CUBA: TRANSLATIONS NO. 498. 10 Oct 66, 35p. JPRS-38084.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-34511

TT-66-34518 Field 5C

USSR CONSUMER GOODS AND DOMESTIC TRADE: TRANSLATIONS NO. 145. 11 Oct 66, 42p. JPRS-38091.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-34518

TT-66-34536 Field 5C, 5D, 5I

CUBA: TRANSLATIONS NO. 499. 12 Oct 66, 36p. JPRS-38109.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-34536

TT-66-34537 Field 5C, 8F

ECONOMIC AND GEOGRAPHIC TRANSLATIONS ON LATIN AMERICA NO. 54. 12 Oct 66, 19p. JPRS-38110.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34537

TT-66-34549 Field 5C, 8F

ECONOMIC AND GEOGRAPHIC TRANSLATIONS ON LATIN AMERICA NO. 55. 12 Oct 66, 38p. JPRS-38122.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-34549

TT-66-34569 Field 5C

USSR ECONOMY AND INDUSTRY: GENERAL INFORMATION NO. 40. 13 Oct 66, 47p. JPRS-38142.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-34569

TT-66-34575 Field 5C, 5D, 5I

CUBA: TRANSLATIONS NO. 500. 13 Oct 66, 28p. JPRS-38148.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-34575

TT-66-34588 Field 5C

NORTH VIETNAM: TRANSLATIONS NO. 46. 14 Oct 66, 48p. JPRS-38161.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-34588

TT-66-34590 Field 5C

ALBANIA: PRESS INFORMATION REPORT NO. 192. 14 Oct 66, 36p. JPRS-38163.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-34590

TT-66-34594 Field 5C, 5F

Mimbela, C. C.; Heysen, L. E.; Stokes, C. J.
ECONOMIC AND GEOGRAPHIC TRANSLATIONS ON LATIN AMERICA NO. 56. 14 Oct 66, 61p. JPRS-38167.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-34594

Trans. of Universidad de San Marcos, Lima. Facultad de Ciencias. Revista Economica y Comerciales (Peru) n70 p5-27 1965; n71/72 Jul-Jun p52-89 1966.

TT-66-34597 Field 5C, 5A

ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 611. 17 Oct 66, 105p. JPRS-38170.
Order from CFSTI or ETC: HC$4.00, MF$0.75
as TT-66-34597

TT-66-34600 Field 5C

Zhitkov, D. G.; Damaskin, B. I.; Nikonov, I. Ya.; Klimenko, B.; Pokachev, A.
USSR CONSUMER GOODS AND DOMESTIC TRADE: TRANSLATIONS NO. 146. 17 Oct 66, 13p. JPRS-38173.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34600

Trans. of Mekhanizatsiya i Avtomatizatsiya Proizvodstva (USSR) v20 n6 p21-2 1966 and from Ekonomicheskaya Gazeta (USSR) n30 p34 1966.

TT-66-34605 Field 5C

USSR ECONOMY AND INDUSTRY: CURRENT DEVELOPMENTS NO. 16. 17 Oct 66, 64p. JPRS-38178.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-66-34605

TT-66-34607 Field 5C

EAST EUROPEAN FOREIGN TRADE: TRANSLATIONS NO. 303. 17 Oct 66, 96p. JPRS-38180.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-66-34607

TT-66-34621 Field 5C

Soskin, B.
SOVIET CRITIQUE OF ANGLO-AMERICAN OIL INTERESTS IN IRAN. 17 Oct 66, 6p. JPRS-38194.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34621

Trans. from Bakinskii Rabochii (USSR) 4 Sep p3 1966.

TT-66-34643 Field 5C

AFRICA: TRANSLATIONS NO. 446. 18 Oct 66, 54p. JPRS-38216.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-66-34643

TT-66-34645 Field 5C

USSR ECONOMY AND INDUSTRY: GENERAL INFORMATION NO. 41. 18 Oct 66, 24p. JPRS-38218.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34645

TT-66-34649 Field 5C

ALBANIA: PRESS INFORMATION NO. 193. 18 Oct 66, 26p. JPRS-38222.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34649

TT-66-34653 Field 5C

EAST EUROPEAN MATERIALS INDUSTRIES: TRANSLATIONS NO. 316. 18 Oct 66, 32p. JPRS-38226.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34653

TT-66-34659 Field 5C, 5A

ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE. TRANSLATIONS NO. 612. 19 Oct 66, 44p. JPRS-38233.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34659

TT-66-34660 Field 5C

Chung Ch'i.
COMMUNIST CHINA: ECONOMIC TRANSLATIONS NO. 15. 19 Oct 66, 12p. JPRS-38234.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34660

Trans. from Jen Min Jih Pao (Chinese People's Republic) 23 Sep p1 1966 and Ching Chi Tao Pao (Hong Kong) n981 p11-2 1966.

TT-66-34662 Field 5C, 8F

ECONOMIC AND GEOGRAPHIC TRANSLATIONS ON LATIN AMERICA NO. 57. 19 Oct 66, 39p. JPRS-38236.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34662

TT-66-34667 Field 5C, 5A

ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 613. 19 Oct 66, 57p. JPRS-38241.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-66-34667

Trans. of Radna i Drustvena Zajednica (Yugoslavia) v14 n8/9 p429-41, 457-66, 476-96 1966.

TT-66-34702 Field 5C

USSR ECONOMY AND INDUSTRY: GENERAL INFORMATION NO. 43. 21 Oct 66, 39p. JPRS-38276.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34702

TT-66-34710 Field 5C, 5A

ECONOMIC ORGANIZATION AND MANAGMENT IN EASTERN EUROPE: TRANSLATIONS NO. 614. 24 Oct 66, 70p. JPRS-38284.
Order from CFSTI or ETC: HC$3.00, MF$0.50
as TT-66-34710

TT-66-34721 Field 5C, 5D

CUBA: TRANSLATIONS NO. 503. 24 Oct 66, 35p. JPRS-38295.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34721

TT-66-34733 Field 5C

EAST EUROPEAN FOREIGN TRADE: TRANSLATIONS NO. 305. 25 Oct 66, 27p. JPRS-38307.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34733

Trans. of Gesetzblatt der Deutschen Demokratischen Republik, Part II (East Germany) n89 p577; n102 p659-69 1966.

TT-66-34743 Field 5C

Arnon, Y.; Levin, D.; Hen, M.; Eshel, M.
NEAR EAST: TRANSLATIONS NO. 39. 26 Oct 66, 99p. JPRS-38317.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-66-34743

Trans. from Haaretz (Israel) 14 Sep p25-32 1966.

TT-66-34745 Field 5C

USSR ECONOMY AND INDUSTRY: CURRENT DEVELOPMENTS NO. 17. 26 Oct 66, 58p. JPRS-38319.
Order from CFSTI or ETC: HC$3.00, MF$0.50
as TT-66-34745

TT-66-34749 Field 5C

Tran Dang; Tran Ngoc; Nhu Dam.
NORTH VIETNAM: TRANSLATIONS NO. 53. 26 Oct 66, 37p. JPRS-38323.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34749

Trans. from Nhan Dan (North Vietnam) 31 Aug p1-2, 4; 26 Sep p2; 29 Sep p3 1966, and of Tap Chi Dong Y (North Vietnam) n75 p16-8 1966.

TT-66-34758 Field 5C, 15-, 5D

CUBA: TRANSLATIONS NO. 504. 26 Oct 66, 47p. JPRS-38332.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34758

TT-66-34870 Field 5C

USSR ECONOMY AND INDUSTRY: CURRENT DEVELOPMENTS NO. 18. 2 Nov 66, 72p. JPRS-38444.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-66-34870

## D. History, law and political science

TT-66-33315 Field 5D, 5C, 5I, 5K, 2F, 6E

AFRICA: TRANSLATIONS NO. 412. 8 Aug 66, 48p. JPRS-36885.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-33315

TT-66-33350 Field 5D

PRAVDA EDITORIAL (5 AUG 66): TRANSLATIONS NO. 660. 9 Aug 66, 5p. JPRS-36920.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33350

TT-66-33394 Field 5D

SOVIET LAW AND SOCIAL REGULATIONS: TRANSLATIONS NO. 12. 12 Aug 66, 30p. JPRS-36964.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-33394

TT-66-33397 Field 5D, 5I

NEAR EAST: TRANSLATIONS NO. 13. 12 Aug 66, 42p. JPRS-36967.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-33397

TT-66-33494 Field 5D, 5C, 6E, 5I

CUBA: TRANSLATIONS NO. 468. 17 Aug 66, 29p. JPRS-37065.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-33494

TT-66-34067 Field 5D, 5K

COMMUNIST CHINA: POLITICAL AND SOCIOLOGICAL: TRANSLATIONS NO. 370. 15 Sep 66, 12p. JPRS-37639.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34067

TT-66-34068 Field 5D, 5I

NORTH VIETNAM: TRANSLATIONS NO. 29. 15 Sep 66, 28p. JPRS-37640.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34068

TT-66-34097 Field 5D, 5K

COMMUNIST CHINA: POLITICAL AND SOCIOLOGICAL: TRANSLATIONS NO. 371. 19 Sep 66, 15p. JPRS-37669.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34097

TT-66-34126 Field 5D, 5C, 5I

CUBA: TRANSLATIONS NO. 486. 19 Sep 66, 30p. JPRS-37698.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34126

TT-66-34140 Field 5D, 5I

COMMUNIST CHINA: POLITICAL AND SOCIOLOGICAL TRANSLATIONS NO. 372. 19 Sep 66, 12p. JPRS-37712.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34140

TT-66-34151 Field 5D

NORTH VIETNAM: TRANSLATIONS NO. 32. 20 Sep 66, 23p. JPRS-37723.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34151

TT-66-34152 Field 5D

AFRICA: TRANSLATIONS NO. 434. 20 Sep 66, 20p. JPRS-37724.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34152

TT-66-34162 Field 5D, 5I

NORTH VIETNAM: TRANSLATIONS NO. 33. 20 Sep 66, 20p. JPRS-37734.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34162

TT-66-34170 Field 5D, 5I

PRAVDA EDITORIALS (15-17 SEP 66): TRANSLATIONS NO. 686. 20 Sep 66, 12p. JPRS-37742.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34170

TT-66-34177 Field 5D

SOVIET LAW AND SOCIAL REGULATIONS: TRANSLATIONS NO. 15. 21 Sep 66, 44p. JPRS-37749.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34177

TT-66-34183 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 884. 21 Sep 66, 57p. JPRS-37755.
Order from CFSTI or ETC: HC$3.00, MF$0.50
as TT-66-34183

TT-66-34187 Field 5D

POLITICAL TRANSLATIONS ON EASTERN EUROPE NO. 230. 21 Sep 66, 21p. JPRS-37759.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34187

TT-66-34197 Field 5D, 5C, 5I

AFRICA: TRANSLATIONS NO. 436. 23 Sep 66, 53p. JPRS-37769.
Order from CFSTI or ETC: HC$3.00, MF$0.50
as TT-66-34197

TT-66-34198 Field 5D

NEAR EAST: TRANSLATIONS NO. 29. 23 Sep 66, 33p. JPRS-37770.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34198

TT-66-34199 Field 5D

PRESS INFORMATION REPORT ON IRAN. NO. 8. 23 Sep 66, 32p. JPRS-37771.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34199

TT-66-34203 Field 5D, 5C, 5I

NORTH VIETNAM: TRANSLATIONS NO. 35. 23 Sep 66, 33p. JPRS-37775.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34203

TT-66-34204 Field 5D, 5C

LA STAMPA AND LA STAMPA SERA (5-11 SEP 66): INDEX NO. 332. 23 Sep 66, 9p. JPRS-37776.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34204

TT-66-34224 Field 5D, 5C

AFRICA: TRANSLATIONS NO. 437. 23 Sep 66, 50p. JPRS-37796.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34224

TT-66-34330 Field 5D

RED FLAG, NO. 11, 1966: TRANSLATIONS NO. 35. 29 Sep 66, 52p. JPRS-37902.
Order from CFSTI or ETC: HC$3.00, MF$0.50
as TT-66-34330

Trans. of Hung Ch'i (Chinese People's Republic) n11 p2-37 1966.

TT-66-34332 Field 5D, 5C

NORTH VIETNAM: TRANSLATIONS NO. 37. 29 Sep 66, 58p. JPRS-37904.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-66-34332

TT-66-34333 Field 5D

SOVIET PRESS MATERIALS ON ARMS CONTROL AND DISARMAMENT NO. 6. 29 Sep 66, 71p. JPRS-37905.
Order from CFSTI or ETC: HC$3.00, MF$0.50
as TT-66-34333

TT-66-34337 Field 5D, 5C, 5I

LE MONDE (2-31 AUG 66): INDEX NO. 76. 29 Sep 66, 40p. JPRS-37909.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34337

TT-66-34342 Field 5D

AFRICA: TRANSLATIONS NO. 439. 29 Sep 66, 89p. JPRS-37914.

Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-66-34342

TT-66-34347 Field 5D

Sicinski, A.
POLITICAL TRANSLATIONS ON EASTERN EUROPE NO. 232. 29 Sep 66, 37p. JPRS-37919.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34347

Trans. of Kultura i Spoleczenstwo (USSR) n2 p107-34 1966.

TT-66-34348 Field 5D, 5C

ALBANIA: PRESS INFORMATION REPORT NO. 188. 20 Sep 66, 36p. JPRS-37920.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34348

TT-66-34356 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENT: TRANSLATIONS NO. 887. 29 Sep 66, 56p. JPRS-37928.
Order from CFSTI or ETC: HC$3.00, MF$0.50
as TT-66-34356

TT-66-34359 Field 5D

PRAVDA EDITORIALS (25-26 SEP 1966): TRANSLATIONS NO. 692. 29 Sep 66, 9p. JPRS-37932.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34359

Trans. from Pravda, Moscow (USSR) 25-26 Sep p1 1966.

TT-66-34369 Field 5D

Couret, B.
SOUTH AND EAST ASIA: TRANSLATIONS NO. 133. The World's Most Gaullist Nation Expects French Chief of State to Support its Neutrality. 30 Sep 66, 7p. JPRS-37942.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34369

Trans. from le Monde (France) 30 Aug p1, 3 1966.

TT-66-34372 Field 5D

Milosavlevski, S.; Ralic, P.; Djerdja, J.
POLITICAL TRANSLATIONS ON EASTERN EUROPE NO. 233. 3 Oct 66, 50p. JPRS-37945.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34372

Trans. of Socijalizam (Yugoslavia) n7/8 p891-936 1966.

TT-66-34381 Field 5D

NORTH VIETNAM: TRANSLATIONS NO. 39. 3 Oct 66, 11p. JPRS-37954.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34381

Trans. from Kansan Uutiset (Finland) 13 Aug p4-5 1966 and Nhan Dan (North Vietnam) 26 Aug p3 1966.

TT-66-34382 Field 5D

Burlatskii, F.
THE SCIENTIFIC BASIS OF THE PARTY'S POLICY. 3 Oct 66, 8p. JPRS-37955.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34382

Trans. from Zarya Vostoka (USSR) 6 Sep p2-3 1966.

TT-66-34390 Field 5D, 2B

NORTH VIETNAM: TRANSLATIONS NO. 40. 3 Oct 66, 11p. JPRS-37963.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34390

TT-66-34398 Field 5D

KOMMUNIST NO. 12, AUG 1966: SELECTED ARTICLES. 4 Oct 66, 193p. JPRS-37971.
Order from CFSTI or ETC: HC$5.00, MF$1.00
as TT-66-34398

Trans. from Kommunist, Moscow (USSR) n12 p2-128 1966.

TT-66-34429 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 888. 4 Oct 66, 116p. JPRS-38002.
Order from CFSTI or ETC: HC$4.00, MF$0.75
as TT-66-34429

TT-66-34430 Field 5D

CUBA: TRANSLATIONS NO. 496. Laws and Decrees of Cuba. 4 Oct 66, 30p. JPRS-38003.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34430

TT-66-34431 Field 5D

PRAVDA EDITORIAL (30 SEP 66): TRANSLATIONS NO. 695. 4 Oct 66, 6p. JPRS-38004.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34431

TT-66-34435 Field 5D, 5C

LA STAMPA AND LA STAMPA SERA (12-18 SEP 66): INDEX NO. 333. 5 Oct 66, 10p. JPRS-38008.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34435

Index to contents of la Stampa (Italy) 12-18 Sep 1966 and of la Stampa Sera (Italy) 12-18 Sep 1966.

TT-66-34442 Field 5D

POLITICAL TRANSLATIONS ON EASTERN EUROPE NO. 234. 5 Oct 66, 39p. JPRS-38015.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34442

TT-66-34445 Field 5D

MONGOLIA: TRANSLATIONS NO. 118. Central Electoral Commission Announcement on Results of Election to the

People's Great Hural. 5 Oct 66, 16p, JPRS-38018.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34445

Trans. from Unen (Mongolian People's Republic) 30 Jun p1 1966.

TT-66-34446 Field 5D, 5F

Dobi, E.; Micheli, L.
ALBANIA: PRESS INFORMATION REPORT NO. 190. 5 Oct 66, 13p. JPRS-38019.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34446

Trans. from Bashkimi (Albania) 10 Aug p1, 2 1966 and Zeri i Rinise (Albania) 30 Jul p5 1966.

TT-66-34450 Field 5D

NEAR EAST: TRANSLATIONS NO. 32. 5 Oct 66, 33p. JPRS-38023.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34450

TT-66-34453 Field 5D

NORTH KOREA: TRANSLATIONS NO. 14. 5 Oct 66, 41p. JPRS-38026.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34453

TT-66-34454 Field 5D

Kupriyanov, I.
NORTH VIETNAM: TRANSLATIONS NO. 42. Along the Roads of Embattled Vietnam. 5 Oct 66, 8p (figs omitted). JPRS-38027.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34454

Trans. of Sovetskii Voin (USSR) Aug p44-6 1966.

TT-66-34455 Field 5D, 5I

Ali Sabri.
NEAR EAST: TRANSLATIONS NO. 33. United Arab Republic. 5 Oct 66, 81p. JPRS-38028.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-66-34455

Trans. from al Ishtiraki (Egypt) 6 Aug 23p; 20 Aug p10-2; 23 Jul p10 1966.

TT-66-34456 Field 5D

PRAVDA EDITORIALS (1 OCT 66): TRANSLATIONS NO. 696. 5 Oct 66, 6p. JPRS-38029.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34456

TT-66-34463 Field 5D, 5I

Nepheloudi, V.
NEAR EAST: TRANSLATIONS NO. 34. Greece. 6 Oct 66, 16p. JPRS-38036.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34463

Trans. of Elliniki Aristera (Greece) n35/36 p61-6, 74-8 1966.

TT-66-34487 Field 5D

PRAVDA EDITORIALS (2 OCT 1966): TRANSLATIONS NO. 697. 6 Oct 66, 4p. JPRS-38060.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34487

Trans. from Pravda, Moscow (USSR) 2 Oct p1 1966.

TT-66-34490 Field 5D, 5C, 5I

AFRICA: TRANSLATIONS NO. 442. 7 Oct 66, 89p. JPRS-38063.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-66-34490

TT-66-34491 Field 5D, 5C, 5I

Lopez, L. P.; Quintela, S.; Armenteros, F.; Rojas, M.
CUBA: TRANSLATIONS NO. 497. 7 Oct 66, 42p. JPRS-38064.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34491

Trans. from Granma (Cuba) 4 Sep 3-13p 1966.

TT-66-34497 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 889. 10 Oct 66, 141p. JPRS-38070.
Order from CFSTI or ETC: HC$4.00, MF$1.00
as TT-66-34497

TT-66-34506 Field 5D

Hoan Quoc Viet.
THE ROLE AND DUTIES OF THE WORKING CLASS IN THE ANTI-US NATIONAL SALVATION STRUGGLE. 10 Oct 66, 16p. JPRS-38079.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34506

Trans. from Hoc Tap (North Vietnam) n7 1966.

TT-66-34509 Field 5D

Kopeliok, A.
NEAR EAST: TRANSLATIONS NO. 36. Israel. 10 Oct 66, 15p. JPRS-38082.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34509

Trans. from al Hamishmar (Israel) 9 Sep p2 1966 and Kol Haam (Israel) 9 Sep p1 1966.

TT-66-34510 Field 5D, 5C

LA STAMPA AND LA STAMPA SERA (19-25 SEP 1966): INDEX NO. 334. 10 Oct 66, 8p. JPRS-38083.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34510

TT-66-34521 Field 5D

Sambuu, J.
MONGOLIA: TRANSLATIONS NO. 119. 11 Oct 66, 22p. JPRS-38094.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34521

Trans. from Unen (Mongolian People's Republic) 11 Jul p1-4 1966.

TT-66-34526 Field 5D

AFRICA: TRANSLATIONS NO. 443. 11 Oct 66, 65p. JPRS-38099.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-66-34526

TT-66-34529 Field 5D

POLITICAL TRANSLATIONS ON EASTERN EUROPE NO. 235. 11 Oct 66, 23p. JPRS-38102.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34529

TT-66-34531 Field 5D

IRAN: PRESS INFORMATION REPORT NO. 9. 11 Oct 66, 52p. JPRS-38104.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34531

TT-66-34532 Field 5D

PRAVDA EDITORIALS (5 AND 8 OCT 66): TRANSLATIONS NO. 699. 11 Oct 66, 9p. JPRS-38105.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34532

TT-66-34552 Field 5D

Tolkunov, L.
TWO VIEWS OF U. S. ANTI-COMMUNISM. 12 Oct 66, 19p. JPRS-38125.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34552

Trans. from Izvestiya (USSR) 26 Aug p2; 28 Aug p4 1966.

TT-66-34553 Field 5D, 5K

SOVIET LAW AND SOCIAL REGULATIONS: TRANSLATIONS NO. 16. 12 Oct 66, 19p. JPRS-38126.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34553

TT-66-34557 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 890. 12 Oct 66, 126p. JPRS-38130.
Order from CFSTI or ETC: HC$4.00, MF$1.00
as TT-66-34557

TT-66-34558 Field 5D, 5K

SOVIET LAW AND SOCIAL REGULATIONS: TRANSLATIONS NO. 17. 12 Oct 66, 17p. JPRS-38131.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34558

Trans. from Izvestiya (USSR) 9 Jul p3, 12 Jul p6 1966 and Pravda, Moscow (USSR) 31 Jul p2 1966.

TT-66-34562 Field 5D

PRAVDA EDITORIALS (8 OCT 66): TRANSLATIONS NO. 700. 12 Oct 66, 5p. JPRS-38135.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34562

Trans. from Pravda, Moscow (USSR) 8 Oct p1 1966.

TT-66-34574 Field 5D, 5C

LA STAMPA AND LA STAMPA SERA (26 SEP-2 OCT 66): INDEX NO. 335. 13 Oct 66, 9p. JPRS-38147.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34574

TT-66-34584 Field 5D, 2B

PRAVDA EDITORIALS (6 AND 9 OCT 66): TRANSLATIONS NO. 701. 13 Oct 66, 12p. JPRS-38157.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34584

TT-66-34589 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 891. 14 Oct 66, 62p. JPRS-38162.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-66-34589

TT-66-34592 Field 5D

Nguyen Chi Thanh.
STUDIES, NO. 7, 1966. The Ideological Task Among the Armed Forces and People of our South and the 1965-1966 Dry Season Victories. 14 Oct 66, 15p. JPRS-38165.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34592

Trans. of Hoc Tap (North Vietnam) n7 10p 1966.

TT-66-34593 Field 5D

Hincker, F.; Milhau, J.; Rony, J.; Gelev, G.
INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 892. 14 Oct 66, 64p. JPRS-38166.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-66-34593

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## 06 BIOLOGICAL AND MEDICAL SCIENCES

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Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33404

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Order from SLA: $1.60 as TT-66-12005

Trans. of Osaka Daigaku Igaku Zasshi (Japan) v10 p1305-9 1958.

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Order from SLA: $1.60 as TT-66-12024

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Order from SLA: $1.60 as TT-66-12968

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Order from CFSTI or ETC: HC$3.00, MF$0.50 as TT-66-33493

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Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50
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Order from CFSTI or ETC: HC$2.00, MF$0.50
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THE FUNCTIONAL MORPHOLOGY OF ORNITHODOROS

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Order from SLA: $2.60 as TT-66-13172

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Order from SLA: $1.60 as TT-66-13181

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TT-66-13188 Field 6M, 6E

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STUDY OF ETIOLOGY, TREATMENT AND DEVELOPMENT OF 26 CASES OF SEVERE INFECTIONS WITH GRAM-NEGATIVE BACILLI (22 SEPTICEMIAS AND 4 PURULENT MENINGITES) (Etude Etiologique, Therapeutique et Evolutive de 26 Cas d'Infections Severes a Bacilles Gram Negatifs (22 Septicemies et 4 Meningites Purulentes). 26p, 19refs.
Order from SLA: $2.60 as TT-66-13188

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TT-66-61620 Field 6M, 6E, 6C

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Order from CFSTI, SLA, or ETC: HC$2.60, MF$0.50 as TT-66-61620

Trans. of Voprosy Virusologii (USSR) v10 n4 p397-402 1965.

TT-66-61996 Field 6M, 6O

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AN ELECTRON-MICROSCOPIC STUDY OF THE ACTION OF INTERFERON ON CELLS (CHICK FIBROBLASTS). Sep 66, 24p, 7refs. FASEB-S-50-6.
Order from CFSTI, SLA, or ETC: HC$2.60, MF$0.50 as TT-66-61996

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## O. Pharmacology

TT-66-12118 Field 6O

Meiers, H. G.; Wetzels, E.
PHENYLBUTAZONE AND KIDNEY FUNCTIONS. Tr. by H. Warfield. 11 Aug 65, 19p, 104refs. NIH-8-23-65.
Order from SLA: $1.60 as TT-66-12118

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TT-66-12152 Field 6O

Lacassagne, A.; Hurst, L.
PREVENTION BY INJECTIONS OF CORTICOTROPHINE OF A HEMOCHROMATOSIS PRODUCED IN THE RAT BY ADMINISTRATION OF O-P'-DICHLORODIPHENYL-DICHLOROETHANE ASSOCIATED WITH BUTTER YELLOW. Tr. by A. N. Vildzius. 25 Aug 65, 3p, 4refs. NIH-8-42-65.
Order from SLA: $1.10 as TT-66-12152

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THE ANTICANCER ACTION OF BAMBOO-LEAF EXTRACT. 16 Aug 65, 20p, 2refs. NIH-8-37-65.
Order from SLA: $1.60 as TT-66-12155

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TT-66-12676 Field 6O, 6P

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Order from SLA: $1.10 as TT-66-12676

Trans. of Orientacion Medica (Argentina) v14 p523 1965.

TT-66-12677 Field 6O, 6P

Duvina, P. L.
EFFECTS OF THE AMINOPHYLLINE UPON THE PULMONARY STRUCTURE. 18p (figs refs omitted).
Order from SLA: $1.60 as TT-66-12677

Trans. of l Sperimentale; Archivio di Biologia Normal e Patologica (Italy) v115 n3 p127-40 1965.

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CUMULATION AND TOXICITY WITH WRONG DOSAGE OF SULFANILAMIDES. Tr. by N. M. Warfield. 17 Jun 66, 20p, 37refs. NIH-6-16-66.
Order from SLA: $1.60 as TT-66-12957

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TT-66-12958 Field 6O

Varga, G.; Floro, K.; Vattay, I.
ABUSE OF PHENMETRAZINE (PRELUDIN AND GRACIDIN) AND PSYCHOSIS. Tr. by P. Hadju. 8 June 66, 5p, 29refs. NIH-6-14-66.
Order from SLA: $1.10 as TT-66-12958

Trans. of Orvosi Hetilap (Hungary) v104 p1378-9 1963.

TT-66-12964 Field 6O

Buenger, P.; Diller, W.; Fuehr, J.; Krueger-Thiemer, E.
COMPARATIVE STUDIES ON MORE RECENT SULFANILAMIDES. Tr. by J. Chapin. 3 Jun 66, 23p, 27refs. NIH-6-2-66.
Order from SLA: $2.60 as TT-66-12964

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TT-66-12966 Field 6O

LaBarre, J.
CONCERNING THE EXCESSIVE USE OF ATARAXICS AND TRANQUILIZERS IN EXTRA-PSYCHIATRIC THERAPY. 17 May 66, 39p, 49refs. NIH-5-44-66.
Order from SLA: $3.60 as TT-66-12966

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Kabelik, J.
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Order from SLA: $2.60 as TT-66-13015

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TT-66-13016 Field 6O, 7C

Kawazu, M.
DECOMPOSITION OF EPINEPHRINE AND ITS ANALOGS BY SOME MINERAL ACIDS. IV. DECOMPOSITION OF NOREPINEPHRINE, N-METHYLEPINEPHRINE, AND 1-(MONALKOXYPHENYL)-2-ALKYAMINOETHANOLS BY MINERAL ACIDS. 8p, 5refs.
Available on loan from SLA as TT-66-13016

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TT-66-13037 Field 6O

Elfiki, H.; Chodat, F.
ENHANCEMENT OF THE ANTIBIOTIC POWER OF COLIMYCIN BY COBALT (Exaltation du Pouvoir Antibiotique de la Colimycine par le Cobalt). 8p, 12refs.
Order from SLA: $1.10 as TT-66-13037

Trans. of Pathologia et Microbiologia (Switzerland) v28 p114-21 1965.

TT-66-13042 Field 6O, 6E

Katsu, M.; Fujimori, I.; Ovawa, J.; Ito, S.
EXPERIENCES WITH SODIUM COLISTIN METHANE-SULFONATE IN BACILIARY DYSENTERY. 24p, 20refs.
Order from SLA: $2.60 as TT-66-13042

Trans. of Nihon Densenbyo Gakkai Zasshi (Japan) v38 p144-51 1964.

TT-66-13044 Field 6O, 6E

Kohari, K.
THERAPEUTIC RESULTS IN VARIOUS MEDICAL DEPARTMENTS WITH COLISTIN METHANE SULFONATE. 30p.
Order from SLA: $2.60 as TT-66-13044

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TT-66-13173 Field 6O, 6E

Tsuchiya, I
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Order from SLA: $1.10 as TT-66-13173

Trans. of Nihon Naika Gakkai Zasshi (Japan) v43 p539 1954.

TT-66-13174 Field 6O, 6E

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EVALUATION OF COLIMYCIN-S AS A THERAPEUTIC DRUG FOR DYSENTERY. 3p.
Order from SLA: $1.10 as TT-66-13174

Trans. of Nihon Densenbyo Gakkai Zasshi (Japan) v32 p756-7 1958.

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Bastin, R.; Lapresle, C.; Pechere, J. -C.
CLINICAL AND BIOLOGICAL ANOMALIES OCCURRING DURING THERAPY WITH COLISTIN METHANE SULFONATE (Anomalies Cliniques et Biologiques au Cours d'un Traitement par le Methane-Sulfonate de Colistine). 12p, 17refs.
Order from SLA: $1.60 as TT-66-13178

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TT-66-13184 Field 6O, 6E

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INTEREST OF THE ASSOCIATION OF COLIMYCIN-AND-POLYMYXIN B IN THE TREATMENT AND PREVENTION OF INTESTINAL INFECTIONS WITH 'ESCHERICIA COLI' OF THE BABY AT THE BREAST (Interet de l'Association Colimycine-Polymyxine B dans le Traitement et la Prevention des Infections Intestinales a Escherichia Coli du Nourrisson). 1p.
Order from SLA: $1.10 as TT-66-13184

Trans. of la Presse Medicale (France) v73 n47 p2700 1965.

## P. Physiology

TT-66-12108 Field 6P

Matsui, K.; Sakamoto, H.; Sugiura, S.
STUDIES OF MENSTRUATION. 27 Aug 65, 12p, 14refs.
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Order from SLA: $1.60 as TT-66-12108

Trans. of Minzoku Eisei (Japan) v29 n1 p17-22 1963.

TT-66-12110 Field 6P

Nishizaki, K.
EXPERIMENTAL STUDIES OF THE CEREBROSIDASE OF THE OPTIC NERVE OF THE DOG. 8 Sep 65, 18p, 32refs.
NIH-9-14-65.
Order from SLA: $1.60 as TT-66-12110

Trans. of Nihon Ganka Gakkai Zasshi (Japan) v66 n10 p1001-9 1962.

TT-66-12117 Field 6P, 6R

Lacassagne, A.; Hurst, L.
CHANGES PRODUCED IN RAT LIVER BETWEEN THE 4TH AND 19TH MONTH AFTER A PARTIAL IRRADIATION OF THE ORGAN. (EFFECTS OF IRRADIATION OF THE COMMON BILE DUCT). Tr. by Z. Knowles. 16 Aug 65, 26p, 12refs. NIH-8-26-65.
Order from SLA: $2.60 as TT-66-12117

Trans. of Revue Francaise d'Etudes Cliniques et Biologiques, v10 n2 p198-211 1965.

TT-66-12153 Field 6P

Simkova, D.
EEG RECORDS IN HEALTHY CHILDREN AGED 7 TO 10 YEARS. Tr. by J. Chapin. 24 Aug 65, 8p, 11refs.
NIH-8-39-65.
Order from SLA: $1.10 as TT-66-12153

Trans. of Universita Karlova, Prague. Lekarska Fakulta v Hradci Kralove. Sbornik Vedeckych Praci (Czechoslovakia) v7 n1/3 p275-81 1964.

TT-66-12157 Field 6P

Kaijser, K.
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1 Apr 65, 7p, 27refs. NIH-4-10-66.
Order from SLA: $1.10 as TT-66-12157

Trans. of Nordisk Medicin (Sweden) v71 n4 p105-8 1964.

TT-66-12158 Field 6P

Sweiger, H. G.; Rapoport, S.; Schoelzel, E.
N-METABOLISM IN THE ERYTHROCYTE MATURATION: THE N BALANCE UNDER ENDOGENOUS CONDITIONS.
Tr. by J. Chapin. 12 Apr 66, 13p, 29refs. NIH-4-9-66.
Order from SLA: $1.60 as TT-66-12158

Trans. of Hoppe-Seyler's Zeitschrift fuer Physiologische Chemie (West Germany) v313 p97-108 1958.

TT-66-12163 Field 6P

Cajal, S. R.
THE NEUROTROPISM AND TRANSPLANTATION OF THE NERVES. Tr. by Z. Knowles. 6 Apr 65, 27p, 14refs. NIH-4-1-65.
Order from SLA: $2.60 as TT-66-12163

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TT-66-12164 Field 6P

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CHARACTERISTIC ELECTRICAL ACTIVITIES OF SOME CEREBRAL STRUCTURES IN MAN. Tr. by Z. Knowles. 13 Apr 65, 37p, 20refs. NIH-4-9-65.
Order from SLA: $3.60 as TT-66-12164

Trans. of Annales de Chirurgie (France) v17 n17/18 p1185-1214 1963.

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INTRAVENOUS ALBUMIN LOAD IN CIRRHOSIS WITH ASCITES: BIOLOGICAL STUDY (Charge Intraveineuse d'Albumine dans les Cirrhoses Ascitiques Eu Etude Biologique). 8p (figs tables refs omitted).
Order from SLA: $1.10 as TT-66-12747

Trans. of Semaine des Hopiteaux de Paris (France) v40 n1 p17-20 1964.

TT-66-13014 Field 6P

Melon, J.
GENERAL PHYSIOPATHOLOGY OF THE NASAL MUCOSA (WITH THE EXCEPTION OF THE OLFACTORY MUCOSA (Physiopathologie Generale de la Muqueuse Nasale (a l'Exception de la Muqueuse Olfactive). 8p.
Order from SLA: $1.10 as TT-66-13014

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TT-66-60530 Field 6P

Warbanov, W.
CHANGES IN PULSE RATE SPEED IN LIMBS DUE TO AGE AND OCCUPATION. Nov 65, 7p, refs. N66-11615; NASA-TT-F-9760.
Order from CFSTI, SLA, or ETC: HC$1.00, MF$0.50 as N66-11615

Trans. of Compte Rendu de l'Academie Bulgare des Sciences (Bulgaria) v16 n3 p321-4 1963.

TT-66-61754 Field 6P

Mikeladze, A. L.; Dzamoeva, E. I.
DATA ON THE STRUCTURAL ORGANIZATION OF THE MICROGLIA. 1966, 21p, 59refs. NIH-6-1-66.
Order from CFSTI or ETC: HC$2.60, MF$0.50 as TT-66-61754

Trans. of mono. Sovremenne Problemy Deyatelnosti i Stroeniya Tsentralnoi Nervnoi Sistemi, 14, Tbilisi, 1965 p181-97.

TT-66-61994 Field 6P

Skok, V. I.
EXTRACELLULAR POTENTIALS OF SINGLE SYMPATHETIC NEURONS. Sep 66, 22p, 20refs. FASEB-S-42-6.
Order from CFSTI, SLA, or ETC: HC$2.60, MF$0.50 as TT-66-61994

Trans. of Biofizika (USSR) v10 n6 p1030-6 1965.

TT-66-61995 Field 6P, 6C

Mamayev, B. M.
REPLACEMENT OF SECONDARY SEXUAL CHARACTERS AND ORIGIN OF NEW TAXONOMIC GROUPS OF INSECTS, EXEMPLIFIED BY GALL MIDGES (CECIDOMYIIDAE, DIPTERA). Sep 66, 26p, 21refs. FASEB-S-47-6.
Order from CFSTI, SLA, or ETC: HC$2.60, MF$0.50 as TT-66-61995

Trans. of Zhurnal Obshchei Biologii (USSR) v26 n4 p677-84 1965.

TT-66-61998 Field 6P

Khanbabyan, M. V.
CEREBELLAR CONTROL OF THE AFFERENT STREAM IN THE VISUAL SYSTEM. Sep 66, 16p, 19refs. FASEB-S-58-6.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50 as TT-66-61998

Trans. of Fiziologicheskii Zhurnal SSSR, v51 n12 p1397-1402 1965.

## R. Radiobiology

TT-66-12134 Field 6R

Ogawa, E.
RADIOACTIVE STRONTIUM EXCRETION FROM AN ORGANISM. Oct 65, 12p, 15refs. ANL-Trans-235.
Order from SLA: $1.60 as TT-66-12134

Trans. of Genshiryoku Kogyo (Japan) v9 n11 p41-5 1963.

TT-66-12139 Field 6R

Wangenheim, K. H. von.
ELECTRON MICROSCOPY INVESTIGATIONS OF THE DEVELOPMENT OF NORMAL AND X-RAY IRRADIATED CELLS

OF THE WHEAT EMBRYO. 27p, 10refs. ORNL-tr-1120.
Order from SLA: $2.60 as TT-66-12139

Trans. of Radiation Botany (Gt. Britain) v5 p403-16 1965.

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Danysz, A.
REACTIVITY OF ADRENERGIC AND CHOLINERGIC RECEPTORS IN ACUTE RADIATION (Odczynowosc Zakonczen Adrenergicznych i Cholinergicznych w Ostrej Chorobie Popromiennej). 4 Apr 66, 102p, 139refs. FTD-TT-65-941; AD-636 585.
Order from CFSTI or ETC: HC$4.00, MF$0.75
as AD-636 585

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TT-66-61973 Field 6R

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DETERMINATION OF THE NATURAL RADIOACTIVITY OF THE HUMAN BODY. Sep 66, 15p, 4refs. FASEB-S-69-6.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50
as TT-66-61973

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## S. Stress physiology

TT-66-12715 Field 6S

Kornhuber, H. H.; Deecke, L.
CHANGES OF BRAIN POTENTIALS IN VOLUNTARY AND PASSIVE MOVEMENTS OF THE HUMAN: READINESS POTENTIAL AND AFFERENT POTENTIALS (Hirnpotentialaenderungen bei Willkuerbewegeungen und Passiven Bewegungen des Menschen: Bereitschaftspotential und Reafferente Potentiale). 18p (refs omitted).
Order from SLA: $1.60 as TT-66-12715

Trans. of Pfluegers Archiv fuer die Gesamte Physiologie des Menschen und der Tiere (West Germany) v284 n1 17p 1965.

TT-66-33164 Field 6S

STUDIES IN PHYSIOLOGICAL REACTIONS OF HUMANS AND ANIMALS TO SPACE FLIGHT. 29 Jul 66, 36p, refs. JPRS-36733.
Order from CFSTI or ETC: HC$2.00, MF$0.50
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Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya, v31 n3 p337-54, 424-6 1966.

## T. Toxicology

TT-66-12167 Field 6T

Gaultier, M.; Fournier, E.; Gervais, P.; Gorceix, A.; Frejaville, J. -P.
ACUTE VOLUNTARY INTOXICATION BY PHENYLBUTOZONE ANURIA. CURE. Tr. by Z. D. Knowles. 16 Aug 65, 8p, 51refs. NIH-8-28-65.
Order from SLA: $1.10 as TT-66-12167

Trans. of Societe Medicale des Hopitaux de Paris. Bulletin et Memoires (France) v113 n4 p317-23 1962.
Paper presented at the meeting of the Medical Society of the Paris Hospitals, 2 Mar 62.

TT-66-33119 Field 6T

Kasabov, L.; Kotev, G.
ELECTROCARDIOGRAPHIC OBSERVATIONS OF ACUTE LETHAL POISONING OF DOGS WITH SOMAN AND PROPHYLAXIS WITH NEMIKON-4. 26 Jul 66, 11p, 14refs. JPRS-36688.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33119

Trans. of Voenno Meditsinsko Delo (Bulgaria) v21 n2 p29-34 1966.

TT-66-62003 Field 6T

Kirilenko, O. A.; Minervin, S. M.; Rozanov, A. Ya.; Pirogov, N. I.
ABSORPTION OF TETANUS TOXIN-I(131) FROM THE MUSCLES AND ITS DISTRIBUTION IN THE BODY. Sep 66, 19p, 11refs. FASEB-S-9-6.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50
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Trans. of Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) v42 n10 p105-11 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

## 07 CHEMISTRY

TT-66-34367 Field 7-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 39. 30 Sep 66, 15p. JPRS-37940.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34367

Abstract trans. of Hua Hsueh Shih Chieh (Chinese People's Republic) v20 n1 p1-47 1965.

TT-66-34377 Field 7-

EAST EUROPEAN SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 80. 3 Oct 66, 111p. JPRS-37950.
Order from CFSTI or ETC: HC$4.00, MF$0.75
as TT-66-34377

TT-66-34401 Field 7-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 40. 4 Oct 66, 30p. JPRS-37974.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34401

Abstract trans. of Hua Hsueh Shih Chieh (Chinese People's Republic) v20 n3 p97-143; n4 p145-91 1965.

TT-66-34448 Field 7-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 41. 5 Oct 66, 39p. JPRS-38021.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34448

TT-66-34458 Field 7-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 42. 6 Oct 66, 13p. JPRS-38031.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34458

Abstract trans. of Hua Hsueh Shih Chieh (Chinese People's Republic) v21 n5 p193-239 1966 and K'o Hsueh Hua Pao (Chinese People's Republic) n2 p62 1966.

TT-66-34470 Field 7-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 43. 6 Oct 66, 30p. JPRS-38043.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-34470

Abstract trans. from Hua Hsueh Shih Chieh (Chinese People's Republic) v20 n5; n6 1965.

TT-66-34556 Field 7-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 45. 12 Oct 66, 21p. JPRS-38129.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34556

Abstract trans. from Hua Hsueh T'ung Pao (Chinese People's Republic) n7; n9 1965.

TT-66-34637 Field 7-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 46. 18 Oct 66, 28p. JPRS-38210.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-34637

Abstract trans. of Hua Hsueh Shih Chieh (Chinese People's Republic) v20 n9 p385-431 1965, and Hua Hsueh T'ung Pao (Chinese People's Republic) n8 p1-64 1965.

TT-66-34714 Field 7-

USSR SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 34. 24 Oct 66, 118p. JPRS-38288.
Order from CFSTI or ETC: HC$4.00, MF$0.75 as TT-66-34714

## A. Chemical engineering

NCH-201 402 Field 7A

Eijk, L. van; Majoor, E.
RECOVERY OF CHLORINE FROM HYDROCHLORIC ACID. 1965, 14p. TC-862.
Order from TC: $11.00 as TC-862

Trans. of Chemie and Techniek (Netherlands) v18 n1 p12-9 1963.

NCH-203 142 Field 7A

Titova, Z. M.; Sharova, A. K.
INVESTIGATION OF PRECIPITATION CONDITIONS OF NIOBIUM FROM HYDROBLUORIC-SULPHURIC ACID SOLUTIONS (Izuchenie Uslovii Osazhdeniya Niobiya iz Plavikovo-Sernokislykh Rastvorov). Aug 65, 10p, 15refs. RTS-2897.
Order from NLL: 12s 6d as RTS-2897

Trans. of Akademiya Nauk SSSR. Institut Khimii, Sverdlovsk. Trudy, n7 p13-7 1963.

NCH-203 143 Field 7A

Sharova, A. K.; Polyakova, V. M.; Bamburov, V. C.; Chernyavskaya, E. I.
SEPARATION OF TITANIUM AND NIOBIUM FROM FLUORIDE/SULPHATE SOLUTIONS (Otdelenie Titana ot Niobiya iz Plavikovosernokislykh Rastvorov). Aug 65, 8p, 1ref. RTS-2896.
Order from NLL: 12s 6d as RTS-2896

Trans. of Akademiya Nauk SSSR. Institut Khimii, Sverdlovsk. Trudy, n7 p7-11 1963.

NCH-203 144 Field 7A

Demenev, N. V.; Bamburov, B. G.; Polyakova, V. M.; Sharova, A. K.
SEPARATION OF COMPLEX CONCENTRATES BY THE FLUOSILICATE METHOD (Razlozhenie Komplekanykh Kontsentratov Kremneftoridnym Metodom). Aug 65, 6p, 5refs. RTS-2895.
Order from NLL: 10s as RTS-2895

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NCH-204 858 Field 7A

Stockmann, V.
MECHANISM OF THE YIELD-DECREASING ACTIVITY OF SOME HEAVY METAL IONS IN CHLORINE-ALKALI ELECTROLYSIS (AMALGAM PROCESS). 1966, 32p. TC-1675.
Order from TC: $19.00 as TC-1675

Trans. of Chemische Technik (East Germany) v17 p148-54 1965.

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Order from SLA or ETC: $1.60 as TT-66-14350

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Order from ETC or SLA: $1.10 as TT-66-26105

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Order from CFSTI or ETC: HC$1.00, MF$0.50
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Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) v10 n5 p696-701 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-34483 Field 7A, 13I

USSR INDUSTRIAL DEVELOPMENT: CHEMICAL INDUSTRY AND MACHINERY NO. 15. 6 Oct 66, 20p. JPRS-38056.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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TT-66-34534 Field 7A, 13C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 44. 12 Oct 66, 17p. JPRS-38107.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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TT-66-34586 Field 7A, 13I

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Order from CFSTI or ETC: HC$1.00, MF$0.50
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Trans. of Mekhanizatsiya i Avtomatizatsiya Proizvodstva (USSR) v20 n6 p19-21 1966, and from Ekonomicheskaya Gazeta (USSR) n30 p13 1966.

TT-66-34731 Field 7A, 13I

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Order from CFSTI or ETC: HC$1.00, MF$0.50
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TT-66-34734 Field 7A

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 47. 25 Oct 66, 15p. JPRS-38308.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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TT-66-34752 Field 7A, 13I

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Order from CFSTI or ETC: HC$1.00, MF$0.50
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TT-66-62519 Field 7A, 11F, 11J

Khitrov, V. A.; Zadorozhnii, V. P.
UTILIZING WASTES OF THE SYNTHETIC RUBBER INDUSTRY IN THE ROLE OF ACID CORROSION DECELERATORS. 30 Mar 66, 12p, 8refs. FTD-TT-65-1626; AD-641 108.
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NCH-205 162 Field 7B, 11F

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A STUDY OF PRECIPITATION IN CARBON STEELS MODIFIED WITH NIOBIUM. 1965. MT-trans-635.
Order from MT: $13.60 as MT-trans-635

Trans. of Kovove Materialy (Czechoslovakia) v3 n3 p248-55 1965.

NCH-205 511 Field 7B

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AN X-RAY SPECTRAL STUDY OF SELENIUM IN VARIOUS MODIFICATIONS. 1966, 5p. ATS-03T93U.
Order from ATS: $9.80 as ATS-03T93U

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WITH VERSENE (Obemnoe Mikroopredelenie Khloridov Kompleksonom III). 4p, 2refs.
Order from SLA or ETC: $1.10 as TT-66-13952

Trans. of Perm.Univ. Uchenye Zapiski (USSR) n111 p182-4 1964.

TT-66-13953 Field 7B

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THE CHEMISTRY OF AQUEOUS SOLUTIONS OF ZIRCONIUM. 43p, 236refs. AEC-tr-6618.
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Trans. of Chemicke Listy (Czechoslovakia) v58 p349-75 1964.

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Order from SLA: $1.10 as TT-66-14094

Trans. of Academie des Sciences, Paris. Comptes Rendus (France) v154 p1612-4 1912.

TT-66-14095 Field 7B

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Order from SLA: $1.10 as TT-66-14095

Trans. of Academie des Sciences, Paris. Comptes Rendus (France) v156 p1044-8 1913.

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CRYSTAL STRUCTURE OF THE BETA-PHASE OF THE SYSTEM Nb-Co AND THE SOLUBILITY OF SILICON IN IT. Tr. by H. J. Chick. 5p, 4refs.
Order from SLA or ETC: $1.10 as TT-66-14098

Trans. of Akademiya Nauk URSR, Kiev. Dopovidi, n5 p600-2 1964.

TT-66-14163 Field 7B

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THE SIMULTANEOUS DETERMINATION OF CARBON, HYDROGEN, FLUORINE, AND CHLORINE IN HALOGENATED HYDROCARBONS BY A MICROANALYTICAL METHOD. 7p, 4refs.
Order from SLA or ETC: $1.10 as TT-66-14163

Trans. of Akademiya Nauk SSSR. Doklady, v126 p784-6 1959.

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LITHIUM ALUMINUM HYDRIDE IN ANALYSIS. II. DETERMINATION OF THE LITHIUM ALUMINUM HYDRIDE REAGENT. 7p, 14refs.
Order from SLA or ETC: $1.10 as TT-66-14200
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For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-14213 Field 7B

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SOLUBILITY OF ALPHA- AND BETA-MODIFICATIONS OF CaSO4.5H2O AND CaSO4.2H2O. 9p, 16refs.
Order from SLA or ETC: $1.10 as TT-66-14213

Trans. of Zhurnal Neorganicheskoi Khimii (USSR) v11 n1 p20-4 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-14219 Field 7B

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TT-66-20968 Field 7B, 7E

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Order from ETC: $1.60 as TT-66-20968

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TT-66-21306 Field 7B

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Order from ETC: $1.10 as TT-66-21306

Trans. of Vsesoyuznaya Konferentsiya po Kataliticheskim Reaktsiyam v Zhidkoi Faze, Alma-Ata, 27 Sep-3 Oct 1962. Trudy, n.p., 1962 p25-9.

TT-66-51009 Field 7B, 11F, 13H

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Order from NLL: 40s as RTS-3025

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NCH-206 023 Field 7C, 7A

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EFFECT OF VARIOUS METAL OXIDES ON THE OXIDATIVE DEHYDROGENATION OF ISOPENTANE TO ISOPRENE WITH THE AID OF IODINE. 1966, 4p. ATS-98T94R.
Order from ATS: $7.80 as ATS-98T94R

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Order from SLA: $3.60 as TT-66-13633

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Order from SLA: $1.10 as TT-66-13879

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Order from SLA: $1.60 as TT-66-13888

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Order from SLA: $1.60 as TT-66-13889

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Order from SLA: $5.60 as TT-66-13905

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Order from SLA: $1.10 as TT-66-14155

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ELEMENTAL ORGANIC ANALYSIS BY DIFFUSION OF HYDROGEN THROUGH SILICA AND BY CARBONIZATION. 8p, 11refs.
Order from SLA: $1.10 as TT-66-14162

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Order from SLA: $1.60 as TT-66-14167

Trans. of Mikrochimica et Ichnoanalytica Acta (Austria) n5 p842-51 1965.

TT-66-14170 Field 7C

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Order from SLA: $1.60 as TT-66-14170

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TT-66-14177 Field 7C

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SIMULTANEOUS MICRODETERMINATION OF CARBON HYDROGEN, AND SULFUR, AND OF CARBON, HYDROGEN, SULFUR, AND HALOGEN IN ORGANIC COMPOUNDS. 5p, 2refs.
Order from SLA or ETC: $1.10 as TT-66-14177

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TT-66-14185 Field 7C, 11I

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Order from SLA or ETC: $1.60 as TT-66-14185

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For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-14196 Field 7C

Perekalin, V. V.; Petraeva, A. K.; Zobacheva, M. M.; Metelkina, E. L.
A NEW METHOD FOR THE SYNTHESIS OF ALPHA-HYDROXY-AND ALPHA-KETOACIDS. 4p, 12refs.
Order from SLA or ETC: $1.10 as TT-66-14196

Trans. of Akademiya Nauk SSSR. Doklady, v166 n5 p1129-31 1966.

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CONTRIBUTIONS TO ELEMENTAL ORGANIC ANALYSIS. II. PYROLYTIC COMBUSTION IN A RAPID STREAM OF AIR IN THE PRESENCE OF A CATALYST. 6p, 4refs.
Order from SLA or ETC: HC$1.10 as TT-66-14197

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TT-66-14198 Field 7C

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Order from SLA or ETC: $1.10 as TT-66-14198

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TT-66-14202 Field 7C, 7A

Shanin, L. L.; Dolmanov, V. I.
A DEVICE OF DOSING SMALL GAS QUANTITIES. 2p.
Order from SLA or ETC: $1.10 as TT-66-14202

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For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-14206 Field 7C

Luskina, B. M.; Terentev, A. P.; Gradskova, N. A.
ELEMENTAL ORGANIC ANALYSIS BY THE 'WET COMBUSTION' METHOD. PT 9, SEMIMICRO-ANALYSIS OF SILICO-TITANO-PHOSPHORO-ORGANIC COMPOUNDS. 8p, 7refs.
Order from SLA or ETC: $1.10 as TT-66-14206

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For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-14207 Field 7C, 7B

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A CHROMATOGRAPHIC METHOD FOR THE DETERMINATION OF ACTIVE HYDROGEN IN ORGANIC COMPOUNDS. 13p, 24refs.
Order from SLA or ETC: $1.60 as TT-66-14207

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For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-14208 Field 7C

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LITHIUM ALUMINUM HYDRIDE IN ANALYSIS. III, DETERMINATION OF ORGANIC PEROXIDES AND HYDROPEROXIDES AND ADMIXTURES OF PEROXIDE COMPOUNDS IN ALKYLACETYLENES. 11p, 45refs.
Order from SLA or ETC: $1.60 as TT-66-14208

Trans. of Zhurnal Analyticheskoi Khimii (USSR) v21 p355-9 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-14209 Field 7C

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Order from SLA: $1.60 as TT-66-14209

Trans. of Mikrochimica et Ichnoanalytica Acta (Austria) n1/2 p357-69 1966.

TT-66-14227 Field 7C

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Order from SLA or ETC: $1.10 as TT-66-14227

Trans. of Moskow Univ. Vestnik. Seriya 2: Khimiya (USSR) v18 n2 p46-8 1963.

TT-66-14248 Field 7C

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AMMONOLYSIS OF COMMERCIAL FATTY ACID FRACTIONS C7-C9 AND C10-C16 TO FORM NITRILES. 9p, 4refs.
Order from SLA or ETC: $1.10 as TT-66-14248

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TT-66-14343 Field 7C

Vaisberg, K. M.; Shabalin, I. I.; Kriglov, Z. A.
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Order from SLA or ETC: $1.10 as TT-66-14343

Trans. of Khimiya i Tekhnologiya Topliv i Masel (USSR) v10 n9 p53-7 1965.

TT-66-14344 Field 7C

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Order from SLA or ETC: $1.10 as TT-66-14344

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Khimicheskaya, n8 p1336-45 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-14345 Field 7C

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A CONTRIBUTION TO THE PROBLEM ON INTERACTION OF FLUORINATED KETONES WITH OLEFINS. 4p, 5refs.
Order from SLA or ETC: $1.10 as TT-66-14345

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Khimicheskaya, n8 p1466-9 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-14346 Field 7C

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THE REACTION OF HEXAFLUOROACETONE-IMINE WITH BUTADIENE AND ISOBUTYLENE. 3p, 10refs.
Order from SLA or ETC: $1.10 as TT-66-14346

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Khimicheskaya, n8 p1472-4 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-14347 Field 7C

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THE CYCLOHEXANE DEHYDROGENATION ON RARE EARTH OXIDES, PUT UPON CARBONS WITH HIGH ASH CONTENT. 4p, 3refs.
Order from SLA or ETC: $1.10 as TT-66-14347

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Khimicheskaya, n9 p1680-2 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-14348 Field 7C

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THE INTERACTION OF LITHIUM-BENZENE ADDUCT WITH TERT-BUTYL CHLORIDE AND n-BUTYL CHLORIDE. 2p, 5refs.
Order from SLA or ETC: $1.10 as TT-66-14348

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Khimicheskaya, n3 p537-8 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-14355 Field 7C

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SPECTRAL-CHROMATOGRAPHIC DETERMINATION OF THE HYDROCARBONS WITH CONDENSED AROMATIC RINGS IN PETROLEUM PRODUCTS. 7p, 4refs.
Order from SLA or ETC: $1.10 as TT-66-14355

Trans. of Neftekhimiya (USSR) v4 n3 p501-6 1964.

TT-66-14363 Field 7C

Mashkina, A. V.; Savostin, Yu. A.
A CHROMATOGRAPHIC METHOD FOR THE ANALYSIS OF SULFOLENES WITH THEIR PRIOR PYROLYSIS. 2p, 5 refs.
Order from SLA or ETC: $1.10 as TT-66-14363

Trans. of Neftekhimiya (USSR) v5 n5 p760-1 1965.

TT-66-14377 Field 7C, 11E

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Order from SLA or ETC: $1.10 as TT-66-14377

Trans. of Kogyo Kagaku Zasshi (Japan) v68 n11 p2275-7 1965.

TT-66-14380 Field 7C, 11E

Unishi, T.; Tsujimura, T.
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Order from SLA or ETC: $1.10 as TT-66-14380

Trans. of Yuki Gosei Kagaku Kyokaishi (Japan) v23 n11 p1028-33 1965.

TT-66-20942 Field 7C

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A THERMODYNAMIC INVESTIGATION OF BINARY SYSTEMS OF TRI-N-BUTYL PHOSPHATE WITH N-HEPTANE, BENZENE, CARBON TETRACHLORIDE AND CHLOROFORM (Termodinamicheskoe Issledovanie Dvoinykh Sistem, Obrazuemykh Tri-n-Butilfosfatom s n-Geptanom, Benzolom, Chetyrekhkhloristym Uglerodom i Khloroformom). 13p. CSIR-tr-521.
Order from CSIR as CSIR-tr-521

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Khimicheskaya, v11 n3 p30-7 1964.

TT-66-20977 Field 7C

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STUDY REGARDING BREAKAGE OF ALIPHATIC RING COMPOUND. REPORT NO. 6. 8p.
Order from ETC: $1.10 as TT-66-20977

Manuscript trans. of Kagaku Kenkyujo Hokoku (Japan) v24 p14-6 1947.

TT-66-62250 Field 7C

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EXTRACTION OF METAL COMPOUNDS FROM PYRAZOLINE DITHIOCARBAMINATES (Ekstraktsiya Soedinenii Metallov s Pirazolinditionkarbaminatami). May 66, 13p, refs. NASA-TT-F-417; N66-23549.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as N66-23534

Trans. of Akademiya Nauk SSSR. Komissiya po Analiticheskoi Khimii. Trudy, v14 p191-201 1963.

TT-66-62399 Field 7C, 11I

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ON THE INTERRELATIONSHIPS BETWEEN THE PHYSICAL PROPERTIES OF POLYMERS: ORGANIC AND INORGANIC POLYMERS (O Vzaimozavisimosti Fizicheskikh Svoistv Polimerov: Organicheskie i Neorganicheskie Polimeroy). 1966, 7p, refs. TIL/T.5420.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-62399

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For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-62415 Field 7C, 11I

Znamenskaya, E. N.; Nametkin, N. S.
SYNTHESIS AND PROPERTIES OF 1-SILYL-4-(VINYLSILYL) BENZENES. 6 Apr 66, 16p, 13refs. FTD-TT-65-1665; AD-640 250.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 250

Unedited rough draft trans. of Neftekhimiya (USSR) v4 n3 p487-93 1964.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-62424 Field 7C

Levshin, V. L.
ADVANCES OF MOLECULAR LUMINESCENCE. 1966, 7p. NIH-9-17-66.
Order from CFSTI , SLA, or ETC: HC$1.10, MF$0.50 as TT-66-62424

Trans. of Akademiya Nauk SSSR. Vestnik, v34 n10 p108-11 1964.

## D. Physical chemistry

NCH-204 902 Field 7D

Davtyan, O. K.
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Order from TC: $11.00 as TC-1733

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For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

NCH-204 953 Field 7D, 11F

Erdey-Gruz, T.
THE EFFECT OF SINUSOIDAL CURRENT ON ELECTRODE PROCESSES. 17: EFFECT OF ALTERNATING CURRENT ON THE CORROSION OF MERCURY. 1965, 7p. TC-1810.
Order from TC: $5.50 as TC-1810

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NCH-205 504 Field 7D, 11H

Kraevaya, E. P.
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NCH-205 507 Field 7D

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For another listing of this journal see 'Translated or Abstracted Publications,' TT Vol. 16, No. 4.

NCH-205 526 Field 7D

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For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

NCH-205 527 Field 7D

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SYNTHESIS OF ACRYLIC ACID TELOMERS AND THEIR USE IN THE PREPARATION OF GRAFT COPOLYMERS OF CELLULOSE AND POLY-ACRYLIC ACID WITH SIDE CHAINS OF PREDETERMINED LENGTH. 1966, 7p. ATS-31T90R.
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For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

NCH-205 696 Field 7D

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OVER-VOLTAGE AT A MERCURY CATHODE IN CONCENTRATED SOLUTIONS (Perenapryazhenie na Rtutnom Katode b Kontsentrirovannykh Rastvorakh). May 66, 20p, 17refs. RTS-3065.
Order from NLL: 37s 6d as RTS-3065

Trans. of Zhurnal Fizicheskoi Khimii (USSR) v18 n7-8 p268-82 1944.

NCH-205 783 Field 7D

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THE TRANSIENT THEORY OF THERMAL EXPLOSIONS (K Nestatsionarndi Teorii Teplovovo Vzryva). Aug 66, 15p, 13refs. RTS-3285

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NCH-205 834 Field 7D

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INVESTIGATION OF THE FALL-OFF OF HYDROGEN OVERVOLTAGE AT A SPONGY LEAD ELECTRODE IN SULPHURIC ACID (Issledovanie spada Vodorodnogo Perenapryazheniya na Gubchatom Svintsom Elektrode v Sernoi Kislote). Aug 66, 15p, 9refs. RTS-3081.
Order from NLL: 27s 6d as RTS-3081

Trans. of Zhurnal Fizicheskoi Khimii (USSR) v20 n7 p667-77 1946.

NCH-205 842 Field 7D

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INVESTIGATION ON THE DECOMPOSITION OF HYDROGEN PEROXIDE ON COPPER CATALYSTS (Issledovanie Razlozheniya Perekisi Vodoroda na Mednykh Katalizatorakh). Aug 66, 6p, 6refs. RTS-3648.
Order from NLL: 10s as RTS-3648

Trans. of Moscow Univ. Vestnik. Seriya 2: Khimiya (USSR) v20 n5 p37-41 1965.

NCH-205 962 Field 7D

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Order from ATS: $8.50 as ATS-81T94R.

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NCH-205 977 Field 7D

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NCH-206 022 Field 7D

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NCH-206 026 Field 7D

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Order from ATS: $17.75 as ATS-67T95G

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NCH-206 032 Field 7D

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Order from ATS: $12.80 as ATS-68T95G

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TT-66-13777 Field 7D, 20L

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Order from SLA: $6.60 as TT-66-13777

Trans. of Technische Hochschule. Stuttgart. Thesis, 1960.

TT-66-13882 Field 7D, 7B

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STUDIES ON THE PHASE TRANSITIONS OF AMMONIUM

NITRATE AND ITS SOLIDIFICATION BY MOISTURE ABSORPTION. PT. 4: METASTABLE PHASE TRANSITION IN AMMONIUM NITRATE (V REVERSIBLY YIELDS II). 14p, 7refs.
Order from SLA: $1.60 as TT-66-13882

Trans. of Kogyo Kagaku Zasshi (Japan) v68 n10 p1842-5 1965.

TT-66-14031 Field 7D, 7A

Kargin, V. A.; Lastovskii, R. P.; Matveeva, T. A.
ANALYSIS AND PURIFICATION OF SUBSTANCES BY MEANS OF A NEW METHOD OF ELECTRODIALYSIS (Analiz i Ochistka Veshchestv pri Pomoshchi Novykh Metodov Elektrodializa). 24p, 6refs.
Order from SLA or ETC: $2.60 as TT-66-14031

Trans. of Khimicheskaya Promyshlennost (USSR) n5 p261-7 1958.
Another trans. in French is available from CFSTI or SLA $2.60 as TT-61-23783, 25p.

TT-66-14089 Field 7D

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INFLUENCE OF THE LIGHT ABSORPTION OF ORGANIC DYES BY EXTERNAL ELECTRIC FIELDS. I. THEORETICAL ASPECTS. Tr. by M. Hajdu. 12 Sep 66, 12p, 10refs. NIH-9-8-66.
Order from SLA: $1.60 as TT-66-14089

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TT-66-14107 Field 7D

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QUANTITATIVE STUDIES ON THE EXCITON SPECTRA OF Cu, Pb, AND Hg HALIDES AT LOW TEMPERATURES (Etudes Quantitatives des Spectres Excitoniques des Halogenures de Cu, Pb, et Hg aux Basses Temperatures). Tr. by F. D. Jones. Jan 66, 10p, 4refs. UCRL-Trans-10000.
Order from SLA: $1.10 as TT-66-14107

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TT-66-14108 Field 7D, 20F

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TT-66-14139 Field 7D

Campe, G. von.
CONTRIBUTION TO THE SIMULTANEOUS PREPARATION OF HYDROCYANIC ACID AND ACETYLENE IN THE ELECTRIC ARC. 31p (figs omitted).
Order from SLA: $3.60 as TT-66-14139

Trans. of mono. Technische Hochschule Carolo-Wilhelmina, Brunswick. Thesis (West Germany) 12 Jan 1962.

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Dzisyak, A. P.; Boreskov, G. K.; Kasatkina, L. A.; Kochurikhin, V. E.
THE HOMOMOLECULAR OXYGEN EXCHANGE ON VANADIUM PENTOXIDE. 10p, 9refs.
Order from SLA or ETC: $1.10 as TT-66-14156

Trans. of Kinetika i Kataliz (USSR) v2 n3 p386-93 1961.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-14171 Field 7D

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INFRARED SPECTRA OF THE CARBON MONOXIDE ADSORBED UPON RUTHENIUM, RHODIUM AND PALLADIUM OVER A BROAD RANGE OF TEMPERATURES. 5p, 9refs.
Order from SLA or ETC: $1.10 as TT-66-14171

Trans. of Akademiya Nauk SSSR. Doklady, v162 n4 p847-50 1965.

TT-66-14172 Field 7D

Volpin, M. E.; Shur, V. B.; Bichin, I. P.
INVESTIGATION OF THE NITROGEN FIXATION ON COMPLEX CATALYSTS BY MEANS OF N(15). 2p, 2refs.
Order from SLA or ETC: $1.10 as TT-66-14172

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Khimicheskaya, n4 p720-1 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-14175 Field 7D

Shashkov, A. S.; Krylova, I. V.; Kobozev, N. I.
THE STUDYING OF ADSORPTIVE CATALYSTS BY THE METHOD OF EXOELECTRONIC EMISSION. 6p, 7refs.
Order from SLA or ETC: $1.10 as TT-66-14175

Trans. of Zhurnal Fizicheskoi Khimii (USSR) v37 n8 p1851-4 1963.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-14187 Field 7D

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EXCITATION OF VIBRATIONAL DEGREES OF FREEDOM FOR MOLECULAR COLLISIONS. 5p (figs omitted) 4refs.
Order from SLA or ETC: $1.10 as TT-66-14187

Trans. of Akademiya Nauk SSSR. Doklady, v167 n6 p1280-2 1966.

TT-66-14203 Field 7D

Marbashev, Yu. S.
QUANTUM ASPECTS OF CATALYSIS. 6p, 25refs.

Order from SLA or ETC: $1.60 as TT-66-14203

Trans. of Zhurnal Fizicheskoi Khimii (USSR) v39 n8 p1817-22 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-14210 Field 7D

Malkin, A. Ya.
THE UNIVERSALITY OF A TEMPERATURE-INVARIANT CHARACTERISTIC FOR THE DYNAMIC PROPERTIES OF LINEAR POLYMERS IN STATE OF FLOW. 8p, 9refs.
Order from SLA or ETC: $1.10 as TT-66-14210

Trans. of Vysokomolekulyarnye Soedineniya (USSR) v7 n7 p1140-5 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-14211 Field 7D

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ABOUT THE VELOCITY OF SOLUTION OF SOLID SUBSTANCES IN THEIR OWN SOLUTION. 5p (figs omitted) 2refs.
Order from SLA: $1.10 as TT-66-14211

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TT-66-20965 Field 7D, 11L

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Order from ETC: $1.10 as TT-66-20965

Trans. of Mokusai Gakkaishi (Japan) v8 n5 p204-7 1962.

TT-66-60666 Field 7D

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Order from CFSTI or ETC: HC$1.00, MF$0.50 as N66-13058

Trans. of Scientia Sinica (Chinese People's Republic) v10 n6 p653-7 1961.

TT-66-61858 Field 7D, 20F

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ABSOLUTE VALUES OF OSCILLATOR STRENGTHS OF SODIUM RESONANCE DOUBLET LINES (Absolyutne Zpacheniya Sil Ostsilliatorov Linii Rezonansnogo Dubleta Natriya). 1966, 7p, 12refs. JPRS-R-6545-D.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61858

Trans. of Fizicheskie Problemy Spektroskopii (USSR) v1 p51-4 1960.

TT-66-61860 Field 7D

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ROTATIONAL ISOMERS OF THE ISOPRENE MOLECULE (O Povorotnykh Izomerakh Molekuly Izoprena). 1966, 5p, 9refs.
Order from CFSTI or ETC: HC$1.10, MF$0.50 as as TT-66-61860

Trans. of Zhurnal Strukturnoi Khimii (USSR) v6 n3 p465-7 1965.

TT-66-62264 Field 7D

Boldyrev, V. V.; Zakharov, Yu. A.
EFFECT OF IMPURITIES ON THE THERMAL DECOMPOSITION RATE OF SILVER OXIDE (O Vliyanii Primesei na Skorost Termicheskogo Razlozheniya Okisi Serebra). Apr 66, 9p, refs. NASA-TT-F-10097;
Order from CFSTI or ETC: HC$1.00, MF$0.50 as N66-23549

Trans. of Khimicheskaya Nauka i Promyshlennost (USSR) v4 p287-8 1959.

TT-66-62440 Field 7D, 7B

Khaustovich, G. P.; Golovina, E. S.
CHARACTERISTICS OF HIGH TEMPERATURE REACTION OF CARBON WITH GASES. 6 Apr 66, 12p, 9refs. FTD-TT-65-1671; AD-640 302.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 302

Unedited rough draft trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) v7 n3 p92-6 1964.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-62462 Field 7D, 7B

Kotov, Yu. I.; Koptev, G. S.; Tatevskii, V. M.
COMPUTATION OF THE VIBRATIONAL FREQUENCIES OF A MOLECULE OF HYDRAZIN N2H4. 25 Apr 66, 9p, 12refs. FTD-TT-65-1900; AD-640 473.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 473

Unedited rough draft trans. of Moscow Univ. Vestnik. Seriya 2: Khimiya (USSR) v18 n3 p10-3 1963.

TT-66-62466 Field 7D

Lyulko, V. V.
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Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 512

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Khimiya i Khimicheskaya Tekhnologiya (USSR) v5 n6 p911-5 1962.

## E. Radio and radiation chemistry

NCH-205 517 Field 7E

Fazilov, T. I.
RAPID METHOD FOR MONITORING THE OXIDATION OF BITUMEN BY LUMINESCENCE ANALYSIS. 1966, 2p. ATS-30T90R.
Order from ATS: $3.50 as ATS30T90R

Trans. of Khimiya i Tekhnologiya Topliv i Masel (USSR) v10 n7 p63 1965.

TT-66-12945 Field 7E

Clanet, F.
SPOT TESTS ON PAPER OF TRANSURANIUM ELEMENTS CHARACTERIZATION OF DIFFERENT DEGREES OF OXIDATION OF NEPTUNIUM AND PLUTONIUM. 12p, 8refs. LA-tr-64-6.
Order from SLA: $1.60 as TT-66-12945

Trans. of International Feigl Anniversary Symposium on Analytical Chemistry, Birmingham, 1962. Proceedings, n. p., 1963 p28-38.

TT-66-14096 Field 7E

Daniel, H.
BETA-GAMMA CIRCULARPOLARIZATION-CORRELATION OF Sc(46) AND ITS CHEMICAL ORIGINS. APPENDIX I and II. 6p. IS-Trans-1.
Order from SLA: $1.10 as TT-66-14096

Trans. of Nuclear Physics (Netherlands) v45 p529-54 1963.

TT-66-14351 Field 7E, 7D

Betin, Yu. P.; Bursukova, M. I.; Verkhovskii, B. I.; Shelkov, L. S.
USE OF A ZIRCONIUM-TRITIUM SOURCE FOR THE NON-DISPERSIVE X-RAY SPECTROMETRIC ANALYSIS. 2p (some ref omitted) 10refs.
Order from SLA or ETC: $1.10 as TT-66-14351

Trans. of Atomnaya Energiya (USSR) v19 n3 p297-8 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

# 08 EARTH SCIENCES AND OCEANOGRAPHY

TT-66-34438 Field 8-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 67. 5 Oct 66, 9p. JPRS-38011.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34438

TT-66-34459 Field 8-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 68. 6 Oct 66, 13p. JPRS-38032.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34459

TT-66-34478 Field 8-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 69. 6 Oct 66, 14p. JPRS-38051.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34478

Abstract trans. from Hai Yang Yu Hu Chao (Chinese People's Republic) v8 n2 1966.

TT-66-34545 Field 8-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 70. 12 Oct 66, 26p. JPRS-38118.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34545

## A. Biological oceanography

TT-66-33463 Field 8A

Koblents-Mishke, O. I.; Ochakovskii, Yu. E.
LIGHT MEASUREMENTS IN THE STUDY OF PRIMARY PRODUCTION IN THE SEA. 16 Aug 66, 11p, 9refs. JPRS-37033.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33463

Trans. of Okeanologiya (USSR) v6 n3 p535-42 1966.

TT-66-34723 Field 8A

Truskanov, M. D.; Shcherbinc, M. N.
DETERMINATION OF DENSITY OF FISH CONCENTRATION BY MEANS OF HYDROACOUSTICS. 24 Oct 66, 10p. JPRS-38297.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34723

Trans. of Rybnoe Khozyaistvo (USSR) v42 n8 p38-42 1966.

TT-66-61966 Field 8A, 6C, 20A

Promasov, V. R.; Romanenko, E. V.; Podlipalin, Yu. D.
BIOLOGICAL SIGNIFICANCE OF SOUNDS EMITTED BY SOME FISH. Sep 66, 23p, 18refs. FASEB-S-575-5.
Order from CFSTI, SLA, or ETC: HC$2.60, MF$0.50
as TT-66-61966

Trans. of Voprosy Ikhtiologii (USSR) v5 n3 p532-9 1965.

TT-66-62001 Field 8A, 6C

Sakun, O. F.
APPEARANCE OF CHANGES IN GAMETOGENESIS AND IN THE SEX CYCLE OF THE PINK SALMON ONCORHYNCUS GORBUSCHA (WALB.) OUTSIDE ITS NATURAL RANGE. Sep 66, 34p, 23refs. FASEB-S-34-6.
Order from CFSTI, SLA, or ETC: HC$3.60, MF$0.50
as TT-66-62001

Trans. of Voprosy Ikhtiologii (USSR) v5 n4 p639-51 1965.

TT-66-62004 Field 8A, 6C, 6T

Lukyanenko, V. I.
FEATURES AND PHASES OF PHENOL POISONING OF CARP

IN THE LIGHT OF THE 'STRESS' THEORY. Sep 66, 19p, 17refs. FASEB-S-576-5.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50
as TT-66-62004

Trans. of Voprosy Ikhtiologii (USSR) v5 n3 p540-7 1965.

## B. Cartography

TT-66-34559 Field 8B

Chiang Meih-sin; Yu Chia-chun.
CARTOGRAPHIC REPRESENTATION OF VARIOUS MORPHOLOGIC SPECIES OF LOESS ON LARGE SCALE TOPOGRAPHIC MAPS. 12 Oct 66, 29p, 3refs. JPRS-38132.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34559

Trans. of Ts'e Liang Chih T'u Hsueh Pao (Chinese People's Republic) v9 n1 p44-62 1966.

## C. Dynamic oceanography

TT-66-33337 Field 8C

Furduev, A. V.
SUBSURFACE CAVITATION AS A SOURCE OF NOISE IN THE OCEAN. 9 Aug 66, 17p, 15refs. JPRS-36907.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33337

Trans. of Akademiya Nauk SSSR, Izvestiya Fizika Atmosfery i Okeana, v2 p523-33 1966.

TT-66-34173 Field 8C

Leonov, A. K.
GENERAL CIRCULATION OF WATER MASSES. Part 1 of Regional Oceanography. 21 Sep 66, 15p. JPRS-37745.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34173

Trans. of mono. Regionalnaya Okeanografiya, Leningrad, 1960 p109-18.

TT-66-34202 Field 8C, 2B

COMMUNIST CHINA: SCIENCE AND TECHNOLOGY: TRANSLATIONS NO. 344. 23 Sep 66, 12p. JPRS-37774.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34202

## D. Geochemistry

TT-66-14121 Field 8D

Millot, G.; Lucas, J.; Paquet, H.
GEOCHEMICAL EVOLUTION THROUGH DEGRADATION AND AGGRADATION OF ARGILIACEOUS MINERALS IN THE HYDROSPHERE. 45p, 46refs.
Order from SLA: $4.60 as TT-66-14121

Trans. of Geologische Rundshau (West Germany) v55 n1 p1-20 1966.

TT-66-14166 Field 8D, 8G

Vinot, A.
PROBABLE ROLE OF THE BIOCHEMICAL PROCESS IN THE FORMATION OF PLASTER (GYPSUM) OF PARIS. 8p, 9refs.
Order from SLA: $1.10 as TT-66-14166

Trans. of Academie des Sciences, Paris. Comptes Rendus (France) v261 n18 p3650-2 1965.

TT-66-14360 Field 8D

Grinberg, I. V.; Petrikivska, M. E.
INVESTIGATION ON THE GENETIC RELATIONS IN HYDROGEN ISOTOPE RATIO (H/D) OF ORGANIC AND INORGANIC ORIGIN MINERALS. 8p, 14refs.
Order from SLA or ETC: $1.10 as TT-66-14360

Trans. of Geologichnyi Zhurnal (USSR) v17 n4 p64-9 1957.

TT-66-14361 Field 8D, 7A

Kuliev, A. M.; Tabatabai, A. M.; Alekperov, G. Z.; Ibragimov, M. M.
THE DEGASOLINATION OF NATURAL GAS UNDER PRESSURE. 5p, 1ref.
Order from SLA or ETC: $1.10 as TT-66-14361

Trans. of Akademiya Nauk Azerbaidzhanskoi SSR, Baku. Doklady, v21 n9 p16-9 1965.

TT-66-14362 Field 8D

Mishnina, T. A.; Avdeeva, O. I.; Bozhovskaya, T. K.
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Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-34410

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A REVISION OF THE GROUPS PSEUDOFUSULINA VULGARIS AND PSEUDOFUSULINA KRAFFTI (FROM TOPOTYPICAL MATERIALS). 1966, 22p. ATS-96T92R.
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Order from SLA or ETC: $5.60 as TT-66-13955

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Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34360

Trans. of Vestnik Vysshei Shkoly (USSR) v24 n7 p85-6 1966.

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Order from CFSTI or ETC: HC$1.00, MF$0.50
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### K. Seismology

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Voyutskii, V. S.; Grodzenskii, V. A.
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Order from ETC: $1.10 as TT-66-20964

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Order from SLA or ETC: $1.60 as TT-66-13920

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## 09 ELECTRONICS AND ELECTRICAL ENGINEERING

### A. Components

TT-66-13906 Field 9A, 13H

Akhutin, V.
KILOMETERS OF WIRE FROM A DROP OF METAL. (Kilometry Provoloki iz Kapli Metalla). 12p (foreign text included).
Order from SLA or ETC: $1.60 as TT-66-13906

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ELECTROCHEMICAL TRANSDUCERS FOR ACOUSTIC SIGNAL RECEPTION AND SMALL-DISPLACEMENT MEASUREMENTS. 25 Apr 66, 12p, 4refs. FTD-TT-65-1875; AD-640 297.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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DIFFERENTIATION CIRCUITS FOR AMPLITUDE-MODULATED SIGNAL ENVELOPES. Tr. by R. C. Taylor. 16 Aug 66, 12p. RSIC-583; AD-640 308.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 308

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For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

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NCH-205 790 Field 9B, 20M

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Order from NLL: 17s 6d as RTS-3317

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TT-66-34355 Field 9B

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Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34355

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Order from CFSTI or ETC: HC$4.00, MF$0.75 as TT-66-34465

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TT-66-34513 Field 9B, 5I

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IMPROVING THE BULGARIAN TRAINING PROGRAM FOR COMPUTER EQUIPMENT. 11 Oct 66, 6p. JPRS-38086.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34513

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Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-640 294

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Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 306

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TT-66-62446 Field 9B

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Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 311

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TT-66-62470 Field 9B, 5D

SYMPOSIUM IN KIEV: COMPUTER TECHNOLOGY AND THE HISTORY OF SCIENTIFIC AND TECHNICAL PROGRESS. Tr. by Patricia L. Stephan. 10 Oct 66, 7p. LT-66-56; AD-640 504.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 504

Trans. of Istoriya SSSR, n4 p232-3 1966.
Compiled from reports of V. N. Klimenyuk (Kiev), K. B. Gelman-Vinogradov and L. G. Khromenko (Moscow).

## C. Electronic and electrical engineering

NCH-205 824 Field 9C

Sokhanskii, S.; Bransburg, E.; Izymov, V.; Hkromchenko, G.; Komissarov, A.
TECHNICAL INSTRUCTIONS FOR SLEEVING CABLES (Tekhnicheskaya Dokumntatsiya na Kabelnye Mufty). Aug 66, 40p. RTS-3387.
Order from NLL: 40s as RTS-3387

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NCH-205 895 Field 9C

Michalski, F.; Komenesy, E.
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Order from BISI: $12.60 as BISI-4829

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TT-66-14141 Field 9C

Koch, W.
INTRODUCTION TO REVISED EDITION OF 'REGULATIONS FOR GROUNDINGS IN A-C SYSTEMS ABOVE 1 KILOVOLT.' 5p.
Order from SLA: $1.10 as TT-66-14141

Trans. of ETZ; Elektrotechnische Zeitschrift Ausgabe A. Zentralblatt fuer Elektrotechnik (West Germany) v62 n15 p372 1941.

TT-66-20967 Field 9C

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Order from ETC: $1.10 as TT-66-20967

Trans. of Elektrichestvo (USSR) n3 p6-9 1962.

TT-66-34236 Field 9C, 13H, 13A, 11-

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Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-34236

TT-66-34239 Field 9C

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Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-34239

TT-66-34289 Field 9C

EAST EUROPEAN SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 25. 28 Sep 66, 84p. JPRS-37861.
Order from CFSTI or ETC: HC$3.00, MF$0,75 as TT-66-34289

TT-66-34344 Field 9C, 14B

USSR INDUSTRIAL DEVELOPMENT: ELECTRONICS AND PRECISION EQUIPMENT NO. 11. 29 Sep 66, 17p. JPRS-37916.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34344

TT-66-34413 Field 9C

Borovac, M.
THE NEW LABORATORY FOR ELECTRIC MACHINES IN THE ELECTRICAL ENGINEERING FACULTY IN BELGRADE. 4 Oct 66, 16p. JPRS-37986.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34413

Trans. of Teknika (Yugoslavia) v21 n8 p1397-402 1966.

TT-66-34439 Field 9C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 37. 5 Oct 66, 32p. JPRS-38012.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-34439

TT-66-34460 Field 9C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 38. 6 Oct 66, 16p. JPRS-38033.
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TT-66-34471 Field 9C

USSR SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 48. 6 Oct 66, 101p. JPRS-38044.
Order from CFSTI or ETC: HC$4.00, MF$0.75 as TT-66-34471

TT-66-34583 Field 9C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 39. 13 Oct 66, 16p. JPRS-38156.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34583

Abstract trans. of Tien Tzu Chi Shu (Chinese People's Republic) n1 47p 1965.

TT-66-34560 Field 9C

NEWS OF HIGHER EDUCATIONAL INSTITUTIONS, INSTRUMENT BUILDING, VOL. 9, NO. 3, 1966. 12 Oct 66, 151p, refs. JPRS-38133.
Order from CFSTI or ETC: HC$4.00, MF$1.00 as TT-66-34560

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) v9 n3 p146p 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-34501 Field 9C, 14B

USSR INDUSTRIAL DEVELOPMENT: ELECTRONICS AND PRECISION EQUIPMENT NO. 12. 10 Oct 66, 14p. JPRS-38074.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34501

TT-66-34610 Field 9C, 14B

Terent'ev, A. A.
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Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34610

Trans. from Ekonomicheskaya Gazeta (USSR) n30 p45, 48 1966, and of Byulleten Tekhniko-Ekonomicheskoi Informatsii (USSR) n5 p47-9 1966.

TT-66-34629 Field 9C

USSR SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 49. 18 Oct 66, 57p.

JPRS-38202.
Order from CFSTI or ETC: HC$3.00, MF$0.50
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TT-66-34632 Field 9C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 40. 18 Oct 66, 13p. JPRS-38205.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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Abstract trans. of Tien Tzu Chi Shu (Chinese People's Republic) n3 p1-47 1965.

TT-66-34756 Field 9C

USSR SCIENTIFIC ABSTRACTS: ELECTRONIC AND ELECTRICAL ENGINEERING NO. 50. 26 Oct 66, 95p. JPRS-38330.
Order from CFSTI or ETC: HC$3.00, MF$0.75
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TT-66-61877 Field 9C, 4B

Rashkes, V. S.
FLASHOVER VOLTAGES OF LINE INSULATION WITH NATURAL PRECIPITATION (RAIN ONLY). 1966, 7p.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50
as TT-66-61877

Trans. of Elektricheskie Stantsii (USSR) v35 n2 p66-8 1964.

TT-66-62457 Field 9C, 13G, 14B, 17G, 13I, 9E

ELECTROMECHANICAL SYSTEMS: SUMMARY OF DATA. 20 Jun 66, 61p, 13refs. ATD-66-74; AD-640 430.
Order from CFSTI or ETC: HC$3.00, MF$0.75
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Based on Soviet-Satellite open sources pub. 1963-1966.
Rept. on Surveys of Foreign Scientific and Technical Literature.

TT-66-62523 Field 9C, 14D

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ON THE OPERATIONAL RELIABILITY OF ELECTRONIC EQUIPMENT. 18 Apr 66, 23p, 6refs. FTD-TT-65-1166; AD-641 112.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-641 112

Edited trans. of Telecomunicatti (Rumania) v8 n2 p73-8 1964.

## D. Information theory

TT-66-33322 Field 9D, 5I

Berg, A. I.
CYBERNETICS AND PROGRAMMED TEACHING. 9 Aug 66, 5p. JPRS-36892.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33322

Trans. of Trud, Moscow (USSR) 14 Jul p2 1966.

TT-66-34060 Field 9D

PROBLEMS OF INFORMATION TRANSMISSION, NO. 2, 1966. 15 Sep 66, 122p, refs. JPRS-37632.
Order from CFSTI or ETC: HC$4.00, MF$0.75
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Trans. of Problemy Peredachi Informatsii (USSR) v2 n2 82p 1966.

TT-66-34185 Field 9D

USSR SCIENTIFIC ABSTRACTS: CYBERNETICS, COMPUTERS AND AUTOMATION TECHNOLOGY NO. 21. 21 Sep 66, 39p. JPRS-37757.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34185

TT-66-34315 Field 9D, 12B

TECHNICAL CYBERNETICS NO. 3, 1966. 28 Sep 66, 297p, refs. JPRS-37887.
Order from CFSTI or ETC: HC$6.00, MF$1.50
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Trans. of Akademiya Nauk SSSR. Izvestiya. Tekhnicheskaya Kibernetika, n3 192p 1966.

TT-66-34371 Field 9D, 9B

EAST EUROPEAN SCIENTIFIC ABSTRACTS: CYBERNETICS, COMPUTERS AND AUTOMATION TECHNOLOGY NO. 17. 3 Oct 66, 43p. JPRS-37944.
Order from CFSTI or ETC: HC$2.00, MF$0.50
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TT-66-34419 Field 9D

USSR SCIENTIFIC ABSTRACTS: CYBERNETICS, COMPUTERS AND AUTOMATION TECHNOLOGY NO. 25. 4 Oct 66, 53p. JPRS-37992.
Order from CFSTI or ETC: HC$3.00, MF$0.50
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Lezin, Yu. S.
OPTIMUM PULSE FILTERS AND SIGNAL ACCUMULATORS. 6 Oct 66, 257p, 150refs. JPRS-38037.
Order from CFSTI or ETC: HC$6.00, MF$1.25
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Trans. of mono. Optimalnye Filtry in Nakopiteli Impulsnykh Signalov, Moscow, 1963 319p.

TT-66-34514 Field 9D, 5K

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TT-66-34523 Field 9D

CYBERNETICS, NO. 3, 1966. 11 Oct 66, 190p, refs. JPRS-38096.
Order from CFSTI or ETC: HC$5.00, MF$1.00 as TT-66-34523

Trans. of Kibernetika (USSR) n3 103p 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-61992 Field 9D

Svenson, A. N.; Tynnaya, N. T.
PULSE-CODE DEMODULATOR WITH ERROR CORRECTION. 1966, 4p, 5refs.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61992

Trans. of Elem. Otbora i Peredach. Inform. (sic) Kiev, 1965.

## E. Subsystems

NCH-203 141 Field 9E

Serzhers-Viktorova, V. S.
IMPROVING DEMODULATOR PERFORMANCE (Uluchshenie Kachestva Demodulyatorov). Aug 65, 12p, 4refs. RTS-2898.
Order from NLL: 20s as RTS-2898

Trans. of Avtomatika i Telemekhanika (USSR) v25 n3 p416-23 1964.

TT-66-33338 Field 9E, 17B, 20N

ALL-UNION SCIENTIFIC SESSION, DEVOTED TO RADIO DAY (NO. 22): SECTION ON ANTENNAS. 9 Aug 66, 49p. JPRS-36908.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-33338

Trans. of mono. Vsesoyuznaya Nauchnaya Sessiya, Posvyashchennaya Dnyu Radio (no. 22): Sektsiya Antennykh Ustroistv, Moscow, 1966 40p.

TT-66-33375 Field 9E

Lavrov, G. A.; Knyazev, A. S.
BURIED ANTENNAS. Chapter 5 of Near Earth and Buried Antennas. 11 Aug 66, 37p. JPRS-36945.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-33375

Trans. of mono. Prizemnye i Podzemnye Angenny, Moscow, 1965 p256-97.

TT-66-34055 Field 9E, 12B, 6D

Gergei, T.; Ivakhenenko, O. G.; Lemishevskii, G. A.; Podakov, A. S.; Stepanenko, V. N.
EXPERIMENTAL AND PRACTICAL APPLICATIONS OF CYBERNETIC SYSTEMS. 15 Sep 66, 28p, 15refs. JPRS-37627.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-34055

Trans. of Avtomatyka (USSR) v11 n3 p24-48 1966.

TT-66-34602 Field 9E

Petrov, B. N.; Emelyanov, S. V.; Gritsenko, M. B.
AUTONOMY IN MULTIPLY-CONNECTED VARIABLE-STRUCTURE AUTOMATIC CONTROL SYSTEMS. 17 Oct 66, 7p, 7refs. JPRS-38175.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34602

Trans. of Akademiya Nauk SSSR. Doklady, v169 n1 p52-4 1966.

TT-66-62508 Field 9E, 20N

Semenov, A. A.; Kvavadze, D. K.
STUDYING REFLECTING PROPERTIES OF CERTAIN SYSTEMS, HAVING A PERIODIC STRUCTURE. 12 Apr 66, 17p, 9refs. FTD-TT-65-1273; AD-640 972.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 972

Unedited rough draft trans. Moscow Univ. Vestnik. Seriya Matematiki, Mekhaniki, Astronomii, Fiziki, Khimii (USSR) v13 n1 p107-14 1958.

TT-66-62521 Field 9E

Vorobkevic, V. J.; Daniljuk, I. S.
A PHASE DEMODULATOR OF THE SECOND HARMONIC WITH WIDTH MODULATION. 30 Mar 66, 16p, 2refs. FTD-TT-65-1616; AD-641 110.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-641 110

Unedited rough draft trans. of Slaboproudy Obzor (Czechoslovakia) v25 n1 p21-4 1964.

## 10 ENERGY CONVERSION (NON-PROPULSIVE)

TT-66-34488 Field 10-, 11F

EAST EUROPEAN MATERIALS INDUSTRIES: TRANSLATIONS NO. 314. 7 Oct 66, 41p. JPRS-38061.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-34488

TT-66-34699 Field 10-

Vielenskii, M.; Blokhnin, A.; Kraminov, A.
USSR INDUSTRIAL DEVELOPMENT: ELECTRIC POWER, POWER MACHINERY, AND ELECTRICAL EQUIPMENT NO. 24. 21 Oct 66, 21p. JPRS-38273.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34699

Trans. of Voprosy Ekonomiki (USSR) n4 p13-23 1966 and from Izvestiya (USSR) 28 Jun p6 1966.

TT-66-34753 Field 10-

Tatur, S.; Nikitenko, A.
USSR INDUSTRIAL DEVELOPMENT: ELECTRIC POWER, POWER MACHINERY, AND ELECTRICAL EQUIPMENT NO. 25. 26 Oct 66, 11p. JPRS-38327.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34753

Trans. from Komsomolets Uzbekistana (SSSR) 26 Jul p3 1966 and of Starshina-Serzhant (USSR) n6 p4/5 1966.

## A. Conversion techniques

NCH-205 760 Field 10A

Svinarev, G. A.
SOME PROBLEMS OF INCREASING THE HEAD OF REVERSIBLE-BLADE RUNNERS OF THE AXIAL TYPE (Nekotorye Voprosy Povysheniya Napora Povorotno-Lopastnykh Rabochikh Koles Osevovo Tipa). Aug 66, 15p, 12refs.
RTS-2953.
Order from NLL: 32s 6d as RTS-2953

Trans. of Vsesoyuznyi Nauchno-Issledovatelskii Institut Vodosnabzheniya, Kanalizatsii, Gidrotekhnicheskikh Sooruzhenii i Inzhenerno Gidrogeologii, Gidravlicheskaya Laboratoriya. Trudy (USSR) n11 p90-102 1964.

NCH-205 761 Field 10A

Vavilova, G. F.
EFFECT OF BLADE SECTION SHAPE IN A HYDRAULIC TURBINE ON ITS PERFORMANCE (Vliyanie Formy Profilia Lopasti Ossevoi Gidroturbiny na eio Kharakteristiki). Aug 66, 12p, 6refs. RTS-2952.
Order from NLL: 32s 6d as RTS-2952

Trans. of Vsesoyuznyi Nauchno-Issledovatelskii Institut Vodosnabzheniya, Kanalizatsii, Gidrotekhnicheskikh Sooruzhenii i Inzhenernoi Gidrogeologii, Gidravlicheskaya Laboratoriya. Trudy (USSR) n11 p103-15 1964.

TT-66-33497 Field 10A, 6O

EAST EUROPEAN MATERIALS INDUSTRIES: TRANSLATIONS NO. 303. 17 Aug 66, 24p. JPRS-37068.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33497

TT-66-34303 Field 10A

USSR INDUSTRIAL DEVELOPMENT: ELECTRIC POWER, POWER MACHINERY, AND ELECTRICAL EQUIPMENT NO. 19. 28 Sep 66, 21p. JPRS-37875.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34303

TT-66-34500 Field 10A

Burtsev, G. S.
USSR INDUSTRIAL DEVELOPMENT: ELECTRIC POWER, POWER MACHINERY, AND ELECTRICAL EQUIPMENT NO. 20. 10 Oct 66, 20p. JPRS-38073.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34500

Trans. of Gidroteknicheskoe Stroitelstvo (USSR) v36 n8 p1-15, 50 1966, and from Ekonomicheskaya Gazeta (USSR) n32 p45 1966.

TT-66-34525 Field 10A, 7A, 8I

Kunez, M.; Predov, D.; Mitrega, J.
EAST EUROPEAN MATERIALS INDUSTRIES: TRANSLATIONS NO. 315. 11 Oct 66, 31p. JPRS-38098.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34525

Trans. of Naruchnik na Agitatora (Bulgaria) v21 n16 17 p27-34, 36-44 1966 and Wiadomosci Gornicze (Poland) v17 n7/8 p219-24 1966.

TT-66-34528 Field 10A

Brunko, V.; Kovalev, A.; Grigorev, A.
USSR INDUSTRIAL DEVELOPMENT: ELECTRIC POWER, POWER MACHINERY, AND ELECTRICAL EQUIPMENT NO. 21. 11 Oct 66, 13p. JPRS-38101.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34528

Trans. from Ekonomicheskaya Gazeta (USSR) n30 p31, 46 1966, and Kommunist, Erevan (USSR) 19 Jul p3 1966.

TT-66-34580 Field 10A

Mustafaev, R.; Krivosheev, I.; Styrikovitch, M. A.
USSR INDUSTRIAL DEVELOPMENT: ELECTRIC POWER, POWER MACHINERY, AND ELECTRICAL EQUIPMENT NO. 22. 13 Oct 66, 14p. JPRS-38153.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34580

Trans. from Bakinskii Rabochii (USSR) 23 Aug p1 1966 and Sovetskaya Rossiya (USSR) 8 Jul p2; 27 Aug p3 1966.

TT-66-62433 Field 10A, 21E

Moiseev, A. A.; Petrov, A. A.; Mikailov, O. I.
WAVE METHOD OF CALCULATING IMPULSE LOADS OF TURBINE BLADES. 25 Apr 66, 10p, 4refs.
FTD-TT-1990; AD-640 291.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-640 291

Unedited rough draft trans. of Sudostroenie (USSR) v30 n11 p33-4 1964.

## B. Power sources

NCH-204 833 Field 10B

Bianchi, G.; Mussini, T.
ACCUMULATION OF ELECTRIC POWER BY MEANS OF A CYCLE OF ELECTROLYSIS AND RECOMBINATION IN A FUEL CELL. 1966, 21p. TC-1641.
Order from TC: $15.00 as TC-1641

Trans. of Ricerca Scientifica. Parte II: Rendiconti. Sezione A: Abiologica (Italy) v6 n1 p37-46 1964.

TT-66-34178 Field 10B

HELIOTECHNOLOGY, NO. 2, 1966. 21 Sep 66, 68p, 126refs. JPRS-37750.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-66-34178

Trans. of Geliotekhnika (USSR) n2 67p 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

## 11 MATERIALS

TT-66-34565 Field 11-

USSR SCIENTIFIC ABSTRACTS: MATERIALS SCIENCE AND METALLURGY NO. 14. 13 Oct 66, 122p. JPRS-38138.
Order from CFSTI or ETC: HC$4.00, MF$0.75
as TT-66-34565

TT-66-62219 Field 11-

Shurygina, E. A.
INVESTIGATIONS OF THE AGING OF GELS OF HYDROXIDES OF IRON AND ALUMINUM BY THE THERMAL METHOD. Tr. by Ivan Mittin. 1966, 3p.
Order from CFSTI, SLA or ETC: $1.10, MF$0.50 as TT-66-62219

Trans. of Akademiya Nauk SSSR. Pochvennyi Institut. Trudy, v53 p104-12 1958.

## B. Ceramics, refractories and glasses

NCH-205 657 Field 11B

Meitina, V. S.; Magidovich, V. I.
ON THE USE OF NEPHELINE SYENITES FROM CERTAIN DEPOSITS IN THE URALS AND SIBERIA AS RAW MATERIAL FOR CERAMIC INDUSTRIES (K Voprosu ob Ispolozovanii Nefelinovykh Sienitov Nekotorykh Mestorozhdenii Urala i Sibiri v Kachestve Keramicheskogo Siria). Apr 66, 13p, 10refs. RTS-3275.
Order from NLL: 25s as RTS-3275

Trans. of Vsesoyuznyi Nauchno-Issledovatelsii Institut Stroitelnoi Keramiki. Trudy (USSR) n16 p60-9 1960.

NCH-205 878 Field 11B

Koltermann, M.; Kupzog, E.
THE PHYSICO-CHEMICAL BEHAVIOUR OF COLD-BONDED REFRACTORY BRICKS. 4 Aug 66. BISI-4935.
Order from BISI: $18.20 as BISI-4935

Trans. of Deutsche Keramische Gesellschaft. Berichte (West Germany) v43 n4 p271-9 1966.

TT-66-10150 Field 11B

Bourdin-Crosnier, A. M.
INCORPORATION OF LUMINESCENT SULFIDES IN A GLASS. 12p (figs omitted).
Order from SLA: $1.60 as TT-66-10150

Trans. of Techniques et Economiques et Economie Industrielles (France) p65-77 1965.

TT-66-13881 Field 11B

Kunitomi, M.; Kunugi, T.; Yamada, K.
STUDIES ON IMPURITIES OF ARTIFICIAL QUARTZ. PT. I: SYNTHESIS OF COLORED QUARTZ. 15p, 23refs.
Order from SLA: $1.60 as TT-66-13881

Trans. of Kogyo Kagaku Zasshi (Japan) v68 n10 p1682-5 1965.
Paper presented at the Artificial Minerals Symposium (no. 9) Oct 64.

TT-66-13895 Field 11B, 7B

Zinggi, H.; Simmingskoeld, B.
GAS CHROMATOGRAPHIC ANALYSIS OF GAS BUBBLES IN GLASS (Gaskromatografisk Analys av Gasblasor i Glas). 42p (foreign text included) 9refs.
Order from SLA: $4.60 as TT-66-13995

Trans. of Glasteknisk Tidsskrift (Sweden) v20 n2 p29-42 1965.

TT-66-14184 Field 11B

Eipeltauer, E.; Hammer, E.
VISCOSITY CHARACTERISTICS AND CONSTITUTION OF BINARY BISMUTH PHOSPHATE GLASSES (Viskositaetsverhalten und Konstitution Binaerer Wismuthphosphatglaeser). 28p, 23refs.
Order from SLA: $2.60 as TT-66-14184

Trans. of Glastechnische Berichte (West Germany) v39 n6 p294-302 1966.

TT-66-14188 Field 11B

Fuchs, D.
STRESS OPTICAL DETERMINATION OF THE DIFFERENCES IN THE PRINCIPAL NORMAL STRESSES AND THE INVERSION TEMPERATURES ON COMPRESSED GLASS LEADS (Spannungsoptische Bestimmung der Hauptnormalspannungsdifferenzen und der Inversionstemperaturen an Druckglasdurchfuehrungen). 23p (foreign text included) 2refs.
Order from SLA: $2.60 as TT-66-14188

Trans. of Glastechnische Berichte (West Germany) v39 n3 p149-55 1966.

TT-66-14190 Field 11B

Shoenbrunn, G.
DETERMINATION OF RESIDUAL STRESSES IN GLASS ARTICLES WITH PARTICULAR CONSIDERATION OF CASED GLASS (Ermittlung von Eigenspannungen an Glasgegenstaenden unter Besonderer Beruecksichtigung des Ueberfangglases). 16p (foreign text included) 5refs.
Order from SLA: $1.60 as TT-66-14190

Trans. of Glastechnische Berichte (West Germany) v39 n4 p186-90 1966.

TT-66-14191 Field 11B

Brueckner, R.; Navarro, J. F.
PHYSIOCOCHEMICAL STUDIES OF THE SYSTEM B2O3-SiO2 (Physikalisch-Chemische Untersuchungen im System B2O3-SiO2). 47p (foreign text included) 40refs.
Order from SLA: $4.60 as TT-66-14191

Trans. of Glastechnische Berichte (West Germany) v39 n6 p283-93 1966.

TT-66-14192 Field 11B

Scholze, H.; Gliemeroth, G.
INVESTIGATIONS OF GLASSES AND MELTS IN THE SYSTEM Na2SiO3-H2O (Untersuchungen an Glaesern und Schmelzen im System Na2SiO3-H2O). 18p (foreign text included) 15refs.
Order from SLA: $1.60 as TT-66-14192

Trans. of Glastechnische Berichte (West Germany) v39 n6 p279-83 1966.

TT-66-14195 Field 11B, 13H

Schulz, H.
GLASS GRINDING AND POLISHING (Schleifen und Polieren von Glas). 33p (foreign text included) 18refs.
Order from SLA: $3.60 as TT-66-14195

Trans. of Glas-Email-Keramo-Technik (West Germany) v17 n1 7p 1966.

TT-66-14383 Field 11B

Schleifer, P.; Czerwinski, Z.
FOAMING OF LIQUIDS AND GLASSES (Proces Spienianie Cieczy i Szkla). 14p (foreign text included) 8refs.
Order from SLA or ETC: $1.60 as TT-66-14383

Trans. of Szklo i Ceramika (Poland) v15 n4 p90-2 1964.

TT-66-62272 Field 11B

Kukota, Yu. P.; Prshedromirskaya, E. M.; Sleptsov, V. M.
POROUS MATERIAL FROM CARBIDES AND BORIDES OF TRANSITION METALS (Poristye Materialy iz Karbidov i Boridov Perekhodnykh Metallov). Mar 66, 15p, refs. NASA-TT-F-10045; N66-23728.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as N66-23728

Trans. of Poroshkovaya Metallurgiya (USSR) n10(34) p85-90 1965.
For another listing of this journal see 'Translated or Abstracted Publications', in TT Vol. 16, No. 4.

## C. Coatings, colorants and finishes

NCH-200 885 Field 11C

Mikhailov, V. A.
INTENSIFICATION OF THE PROCESS OF GRINDING OF PIGMENTS IN MEDIA. 1965. TTIS-NS-361.
Order from TTIS: $5.00 as TTIS-NS-361

Trans. of unidentified mono., n.p., 1965.

TT-66-14168 Field 11C

Weber, H. H.
LIGHT-SCATTERING AND PARTICLE SIZE OF WHITE PIGMENTS IN PAINT FILMS. 18p, 6refs.
Order from SLA: $1.60 as TT-66-14168

Trans. of Farbe und Lack (West Germany) v68 n12 p849-52 1962.

TT-66-14169 Field 11C

Weber, H. H.; Gerhards, J.
ON THE OPTICAL BEHAVIOR OF WHITE PIGMENTS. 17p, 9refs.
Order from SLA: $1.60 as TT-66-14169

Trans. of Farbe und Lack (West Germany) v67 n7 p434-7 1961.

## E. Fibers and textiles

NCH-202 365(p.430-438) Field 11E

Faminskii, P. P.
MAIN TRENDS OF TECHNICAL PROGRESS IN THE TEXTILE INDUSTRY DURING 1966-1970. May 65, 9p.
Order from HMSO in NLL Translations Bulletin, v7 n5.

Trans. of Tekstilnaya Promyshlennost (USSR) v24 n10 p5-8 1964.

NCH-205 787 Field 11E

Borzunov, I. G.
DETERMINATION OF THE OPTIMUM ANGLE OF SLOPE AND TOOTH HEIGHT FOR CARD CLOTHING (Opredelenie Optimalnovo Ugla Naklona i Vysoti Zuba Garnituri Chesalnykh Mashin). Aug 66, 8p, refs. RTS-3692.
Order from NLL: 10s as RTS-3692

Trans. of Tekstilnaya Promyshlennost (USSR) v26 n1 p27-30 1966.

NCH-205 816 Field 11E, 11L

Kozapovetskii, N. Ya.
PRODUCTION OF PAPER FROM SYNTHETIC FIBERS (Izgotovlenie Bumagi iz Ointeticheskikh Volokon). Aug 66, 9p. RTS-2889.
Order from NLL: 5s as RTS-2889

Trans. of Bumazhnaya Promyshlennost (USSR) v39 n5 p30-1 1964.

NCH-205 841 Field 11E

Domiteev, A. A.
TEXTILE ENGINEERING 1966-70 (Tekstilnoe Mashinostroenie v 1966-1970 Godakh). Aug 66, 14p. RTS-3672.
Order from NLL: 12s 6d as RTS-3672

Trans. of Mekhanizatsiya i Avtomatizatsiya Proizvodstva (USSR) n3 p22-6 1966.

NCH-205 851 Field 11E, 13H

Sergeev, P. P.; Osherov, C. I.
FIBRE-MAKING FROM TOBACCO DUST (Izgotovlenia Volokna iz Tabachnoi Pyli). Jun 66, 4p. RTS-3315.
Order from NLL: 5s as RTS-3315

Trans. of Tabak, Moscow (USSR) v26 n2 p55-6 1965.

TT-66-14131 Field 11E

Fester, W.; Liu, S. T.
CHEMICAL AND PHYSICO-CHEMICAL CHANGES OF CELLULOSE TRIACETATE FIBERS BY A DRY HEAT TREATMENT. 26p, 57refs.
Order from SLA: $2.60 as TT-66-14131

Trans. of Textil-Praxis (West Germany) v21 n6 p440-8 1966.

TT-66-14378 Field 11E

Voyutskii, S. S.; Peregudova, L. E.
IMPREGNATION OF FABRICS WITH AQUEOUS DISPERSIONS OF HYDROPHOBIC SUBSTANCES. 2: THE DETERMINATION OF THE HETEROCAPILLARITY OF FIBERS. 14p (figs omitted) 14refs.
Order from SLA or ETC: $1.60 as TT-66-14378

Trans. of Zhurnal Prikladnoi Khimii (USSR) v24 n9 p984-8 1951.

## F. Metallurgy and metallography

NCH-205 139 Field 11F

Koutsky, J.
THE PROBLEM OF THE STRUCTURAL STABILITY OF C-FERRITE AT HIGH TEMPERATURES IN MODIFIED 12% CR STEELS ALLOYED WITH NB AND TI. 1965. MT-Trans-502.
Order from MT: $18.60 as MT-Trans-502

Trans. of Kovove Materialy (Czechoslovakia) v3 n1 p11-8 1965.

NCH-205 151 Field 11F, 13H, 13I

Labonek, F.
EFFECT OF NICKEL AND COPPER ON REACTIONS PROCEEDING DURING THE ANNEALING OF ROLLER BEARING STEELS. 1965, MT-trans-569.
Order from MT as MT-trans-569

Trans. of Kovove Materialy (Czechoslovakia) v3 n4 p333-58 1965.

NCH-205 163 Field 11F, 13I

Elfmark, J.
A STEEL FOR DIES WITH INCREASED WEAR RESISTANCE. 1965. MT-trans-638.
Order from MT as MT-trans-638

Trans. of Strojirenstvi (Czechoslovakia) v15 n10 p757-62 1965.

NCH-205 830 Field 11F

Shishakov, N. A.
OXIDE FILMS ON ALUMINIUM (Okisnye Plenky na Alyuminii). Aug 66, 23p. RTS-3204.
Order from NLL: 30s as RTS-3204

Trans. of mono. Stroenie i Mekh. Okraz. Okisn. Plen. na Metall (sic) n.p., 1959 p37-56.

NCH-205 893 Field 11F

Eisenkolb, J.
DETERMINATION OF HYDROGEN IN PLAIN CARBON AND ALLOY STEELS BY VACUUM HOT EXTRACTION. 18 Aug 66. BISI-4756.
Order from BISI: $14.00 as BISI-4756

Trans. of Neue Huette (East Germany) v10 n12 p745-51 1965.

NCH-205 981 Field 11F

Ushakov, S. N.; Trukhmanova, L. B.
COPOLYMERIZATION OF VINYL ACETATE WITH CROTONAMIDE AND METHYLOLCROTONAMIDE. 1966, 5p. ATS-77T94R.
Order from ATS: $6.25 as ATS-77T94R

Trans. of Vysokomolekulyarnye Soedineniya (USSR) v1 n12 p1754-7 1959.

NCH-205 982 Field 11F

Ushakov, S. N.; Lavrenteva, E. M.
THE SYNTHESIS OF THERMOREACTIVE COPOLYMERS OF VINYL ACETATE AND VINYL ALCOHOL WITH METHYLOLCROTONAMIDE. 1966, 7p. ATS-76T94R.
Order from ATS: $11.00 as ATS-76T94R

Trans. of Vysokomolekulyarnye Soedineniya (USSR) v1 n12 p1862-7 1959.

TT-66-13604 Field 11F, 7B

Ringpfeil, H.; Ilgen, L.
METALLOGRAPHIC DETECTION OF NI SULFIDE AND NI OXIDE (Beitrag zum Metallographischen Nachweis von Nickelsulfid und Nickeloxid). 13p. (foreign text included) 3refs.
Order from SLA: $1.60 as TT-66-13604

Trans. of Praktische Metallographie (West Germany) v2 p264-9 1965.

TT-66-14134 Field 11F, 20L

Gebhardt, E.
THE TERNARY SYSTEM INDIUM-TIN-CADMIUM (Ueber das Dreistoffsystem Indium-Zinn-Kadmium). 12p, 9refs.
Order from SLA: $1.60 as TT-66-14134

Trans. of Zeitschrift fuer Metallkunde (West Germany) v40 n12 p437-40 1949.

TT-66-14181 Field 11F

Warlimont, H.; Wilkens, M.
THE STRUCTURE OF THE BETA, MARTENSITE PHASE IN Cu-Al SYSTEM (Die Struktur der Martensitphase Beta im System Kupfer-Aluminium). 21p (foreign text included) 27refs.
Order from SLA: $2.60 as TT-66-14181

Trans. of Zeitschrift fuer Metallkunde (West Germany) v55 n7 p382-7 1964.

TT-66-20963 Field 11F

Tanaka, R.
THE CORROSION OF COPPER WATER PIPES. 12p, 13refs.
Order from ETC: $1.60 as TT-66-20963

Trans. of Sumitomo Keikinzoku Giho (Japan) v3 n1 p73-81 1962.

TT-66-34130 Field 11F

Emelyanov, V. S.; ed.; Evstyukhin, A. I., ed.
LITHIUM CORROSION OF METALS. 19 Sep 66, 44p, refs. JPRS-37701.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-34130

Trans. of mono. Metallurgiya i Metallovedenie Chistykh Metallov, Moscow, 1966 p130-72.
Metallurgy and Metallography of Pure Metals.

TT-66-34295 Field 11F, 13H

USSR INDUSTRIAL DEVELOPMENT: METALLURGY AND MINERALS NO. 20. 28 Sep 66, 26p. JPRS-37867.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34295

TT-66-34339 Field 11F

Lebedinskii, M. A.
ELECTROVACUUM MATERIALS, ASSORTMENT AND USE. 29 Sep 66, 40p, 15refs. JPRS-37911.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34339

Trans. of mono. Elektrovakuumnye Materialy, Metally i Splavy, Moscow, 1966
p88-90, 103-6, 117-21, 132-4, 137-41, 160-1, 168-9, 197, 202-3, 207, 210-1, 215-20, 229.

TT-66-34374 Field 11F, 9C

EAST EUROPEAN HEAVY INDUSTRY: TRANSLATIONS NO. 292. 3 Oct 66, 43p. JPRS-37947.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34374

TT-66-34400 Field 11F, 8I

EAST EUROPEAN MATERIALS INDUSTRIES: TRANSLATIONS NO. 313. 4 Oct 66, 28p. JPRS-37973.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34400

TT-66-34406 Field 11F

Karklit, A.; Gonda, M.
USSR INDUSTRIAL DEVELOPMENT: METALLURGY AND MINERALS NO. 21. 4 Oct 66, 10p. JPRS-37979.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34406

Trans. of Pravda, Leningrad (USSR) 26 Jul p2 1966 and Trud, Moscow (USSR) 7 Jun p1 1966.

TT-66-34407 Field 11F, 20B

Tavadze, F. N.; Golovin, S. A.; Ivanov, V. E.; Razumov, V. I.; Shermergor, T. D.
INTERNAL FRICTION IN METALS AND ALLOYS. 4 Oct 66, 26p, refs. JPRS-37980.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34407

Trans. of mono. Vnutrennee Trenie v Metallakh i Splavakh, Moscow, 1966 p36, 130-3, 166-9, 190-3, 238-41.

TT-66-34484 Field 11F, 8I

USSR INDUSTRIAL DEVELOPMENT: METALLURGY AND MINERALS NO. 22. 6 Oct 66, 19p. JPRS-38057.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34484

TT-66-34494 Field 11F

Glikman, L. A.; Kolgatin, N. N.; Teordorovich, V. P.
THE CHANGE OF MECHANICAL PROPERTIES OF CERTAIN STEELS DUE TO THE ACTION OF HYDROGEN AT HIGH TEMPERATURES AND PRESSURES.
7 Oct 66, 24p, 12refs. JPRS-38067.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34494

Trans. of Metallovedenie: Sbornik Statei (USSR) v3 p58-73 1959.

TT-66-34533 Field 11F, 11B, 13H

USSR SCIENTIFIC ABSTRACTS: MATERIALS SCIENCE AND METALLURGY NO. 13. 12 Oct 66, 92p. JPRS-38106.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-66-34533

TT-66-34550 Field 11F

Rozen, D.
METALS OF THE COSMIC AGE. 12 Oct 66, 9p. JPRS-38123.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34550

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TT-66-34566 Field 11F, 13H, 11B

USSR SCIENTIFIC ABSTRACTS: MATERIALS SCIENCE AND METALLURGY NO. 15. 13 Oct 66, 135p. JPRS-38139.
Order from CFSTI or ETC: HC$4.00, MF$1.00
as TT-66-34566

TT-66-34573 Field 11F

USSR INDUSTRIAL DEVELOPMENT: METALLURGY AND MINERALS NO. 23. 13 Oct 66, 37p. JPRS-38146.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34573

TT-66-34603 Field 11F, 5A

Konovalenko, A.
SOVIET METALLURGICAL INSTITUTE CRITICIZED FOR POOR MANAGEMENT. 17 Oct 66, 6p. JPRS-38176.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34603

Trans. from Trud, Moscow (USSR) 14 Jul p2 1966.

TT-66-34681 Field 11F

Sazhin, A. P.; Pimenov, V.
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Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34681

Trans. of Tsvetnye Metally (USSR) v39 n6 4p 1966 and from Vyshka (USSR) 13 Jul p3 1966.
For another listing of Isvetnye Metally (USSR) see TT v16 n4.

TT-66-34700 Field 11F

USSR INDUSTRIAL DEVELOPMENT: METALLURGY AND MINERALS NO. 25. 21 Oct 66, 12p. JPRS-38274.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34700

Trans. from Izvestiya (USSR) 9 Jul p1 1966 and of Ogneupory (USSR) v31 n6 p1-4 1966.
For another listing of Ogneupory (USSR) see TT Vol. 16, No. 4.

TT-66-34713 Field 11F, 13H

USSR INDUSTRIAL DEVELOPMENT: METALLURGY AND MINERALS NO. 26. 24 Oct 66, 23p. JPRS-38287.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34713

TT-66-60668 Field 11F

Kimura, J.; Maruya, K.; Mitamura, N.
STUDIES ON AL - U ALLOYS. Jan 65, 22p, refs.
NSJ-TR-6; N66-13195.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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Trans. of Nihon Genshiryoku Gakkaishi (Japan) v5 n6 p467-75 1963.

TT-66-62429 Field 11F, 20K

Lebedev, T. A.; Marinets, T. K.; Efremov, A. I.
STUDYING CYCLIC STRENGTH OF METALS BY THE METHOD OF RECORDING FATIGUE DIAGRAMS.
29 Apr 66, 14p, 8refs. FTD-TT-65-1402; AD-640 287.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-640 287

U- edited rough draft trans. of Akademiya Nauk SSSR. Institut Metallurgii, Moscow. Trudy, n9 p141-6 1962.

TT-66-62445 Field 11F

Lebedeva, V. V.; Novik, V. K.
RADIATION CAPACITY OF SOME INDUSTRIAL ALLOYS IN THE INFRARED RANGE OF THE SPECTRUM. 13 Apr 65, 11p, 6refs. FTD-TT-65-1796; AD-640 310.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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TT-66-62461 Field 11F

Aleksandrov, L. N.; Mordyuk, V. S.
DIRECT HEATING RELAXER. 30 Mar 66, 14p, 16refs. FTD-TT-65-1637; AD-640 477.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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TT-66-62495 Field 11F

Severdenko, V. P.; Kalnitskii, R. M.; Prosvirin, V. I.; Zaitsev, A. I.; Mortikov, V. D.
STUDIES OF STEELS AND ALLOYS: SELECTED ARTICLES. 30 Jun 66, 20p, 16refs. FTD- MT-65-383; AD-640 724.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-640 724

Edited machine trans. of mono. Issledovaniya Staley I Splavov, Moscow, 1964 p114-7, 166-71.

TT-66-62507 Field 11F

Silina, G. F.; Zarembo, Yu. I.; Bertina, L. E.
BERYLLIUM, CHEMICAL PROCESSING AND METALLURGY. 1960, 13p. Trans-2156; AD-640 916.
Order from CFSTI or ETC: HC$1.60, MF$0.50
as AD-640 916

Trans. of mono. Berilliі Khimicheskaya Tekhnologiya i Metallurgiya, Moscow, 1960 p103-19.

## G. Miscellaneous materials

NCH-206 012 Field 11G

Filimonov, M. S.
FROTHED GYPSUM AS HEAT INSULATOR. 1966, 3p.
ATS-78T95R.
Order from ATS: $6.00 as ATS-78T95R

Trans. of Promyshlennaya Energetika (USSR) v4 n2 p13-4 1947.

TT-66-62494 Field 11G, 11I, 11B, 13H

Shalun, G. B.
LAMINAR PLASTIC AND GLASS PLASTIC FOR ELECTRICAL INDUSTRY (Sloistye Plastiki i Stekloplastiki dyla Elektroteknicheskoi Promyshlennosti).
27 Jun 66, 43p. FTD-MT-64-379; AD-640 723.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as AD-640 723

Machine edited trans. of Leningradskii Dom Nauchno-Teknicheskoi Propagandy. Obmen Peredovym Opytom. Seriya: Sinteticheskie Materialy (USSR) v7 28p 1962.

## H. Oils, lubricants, and hydraulic fluids

TT-66-62442 Field 11H

Losikov, B. V.; Fatyanov, A. D.
OILS FOR GAS-TURBINE INSTALLATIONS. 25 Apr 66, 16p. FTD-TT-65-1843; AD-640 307.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-640 307

Unedited rough draft trans. of Khimiya i Tekhnologiya Topliv i Masel (USSR) v9 n3 p58-62 1964.

## I. Plastics

NCH-205 978 Field 11I

Trukhmanova, L. B.; Ushakov, S. N.; Markelova, T. M.
SYNTHESIS OF WATER-SOLUBLE COPOLYMERS OF POLY (VINYL ALCOHOL) AND ITS DIACETYL-P-AMINOSALICYLATE ESTER. 1966, 5p. ATS-74T94R.
Order from ATS: $7.95 as ATS-74T94R

Trans. of Vysokomolekulyarnye Soedineniya (USSR) v6 n7 p1346-9 1964.

NCH-205 988 Field 11I

Kolesnikov, G. S.; Tevlina, A. S.; Alovitdinov, A. B.; Ganzha, L. A.
SYNTHESIS OF HOMOGENEOUS ION EXCHANGE MEMBRANES BY GRAFTING OF (A-PHENYLVINYL) PHOSPHINIC ACID TO WATER-INSOLUBLE POL6(VINYL ALCOHOL) FILMS. 1966, 7p. ATS-04T94R.
Order from ATS: $9.45 as ATS-04T94R

Trans. of Vysokomolekulyarnye Soedineniya (USSR) v8 n2 p297-301 1966.

NCH-205 997 Field 11I

Niermann, H.
ANNUAL REVIEW OF TECHNOLOGY. TECHNOLOGY OF PLASTICS. RAW MATERIALS FOR PLASTICS. 1966, 15p. ATS-38T94G.
Order from ATS: $23.80 as ATS-38T94G

Trans. of Verein Deutscher Ingenieure. Zeitschrift (West Germany) v108 n10 p429-34 1966.

NCH-206 029 Field 11I

Ueda, K.
GRAFTING OF VINYL CHLORIDE ONTO POLYETHYLENE BY THE METHOD OF PREIRRADIATION IN AIR. 1966, 13p. ATS-75T95J.
Order from ATS: $17.75 as ATS-75T95J

Trans. of Kobunshi Kagaku (Japan) v23 n252 p222-8 1966.

TT-66-13785 Field 11I

Menini, A.
POSSIBLE CAUSES OF ODOR IN POLYETHYLENE. 8p, 4refs.
Order from SLA: $1.10 as TT-66-13785

Trans. of Poliplasti (Italy) v10 n57 p5-7 16 1962.
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TT-66-14142 Field 11I

Minsker, K. S.; Chernovskaya, R. P.; Zakharova, A. S.
KINETICS AND MECHANISM OF THE PROPYLENE POLYMERIZATION, CATALYZED WITH ALPHA-TiCl3 + AlR3 AND IN THE PRESENCE OF STYRENE. 6p, 11refs.
Order from SLA or ETC: $1.10 as TT-66-14142

Trans. of Vysokomolekulyarnye Soedineniya (USSR) v5 n11 p1627-31 1963.

TT-66-14180 Field 11I

Streib, H.; Oberbach, K.
GLASS-FIBER REINFORCED POLYCARBONATE. PT I. THE MECHANICAL PROPERTIES PICTURE (Glasfaserverstaerktes Polycarbonat. Teil 1. Das Mechanische Eingenschaftshild). 40p (foreign text included) 6refs.
Order from SLA: $3.60 as TT-66-14180

Trans. of Kunststoffe (West Germany) v56 n1 p15-23 1966.

TT-66-14221 Field 11I

Glazunova, N. A.; Maslova, I. P.; Kochina, V. M.
UV ABSORBERS, LIGHT STABILIZERS AND LIGHT HEAT STABILIZERS FOR POLYVINYL CHLORIDE AND ITS COPOLYMERS. 11p, 58refs.
Order from SLA or ETC: $1.60 as TT-66-14221

Trans. of Plasticheskie Massy (USSR) n5 p9-12 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-14366 Field 11I

Veersen, G. J. van; Meulenberg, A. J.
THE CORRELATION BETWEEN THE CHEMICAL STRUCTURE OF PLASTICIZERS AND THEIR BEHAVIOR IN PLASTICIZED PVC, II. 19p, 5refs.
Order from SLA: $1.60 as TT-66-14366

Trans. of Plastica (Netherlands) v19 n5 p175-83 1966.

TT-66-33376 Field 11I, 19C

Belkin, I. M.; Romantseva, L. M.; Sukhanova, V. A.
USE OF PLASTICS IN ARMORED TANK EQUIPMENT. Chapter 3 of Plastics in Armored Tank Equipment. 11 Aug 66, 39p. JPRS-36946.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-33376

Trans. of mono. Plastmassii v Bronetankovoi Tekhnike, Moscow, 1965 p65-107.

## J. Rubbers

NCH-204 816 Field 11J

Hlousek, M.
ASSESSMENT OF THE POLYDISPERSITY OF LATEX PARTICLES BY TRANSMISSION MEASUREMENT OF LIGHT SCATTERING. 1966, 15p. TC-1617.
Order from TC: $13.50 as TC-1617

Trans. of Chemicky Prumysl (Czechoslovakia) v14(39) p19-25 1964.

TT-66-13962 Field 11J

Sato, Y.
A THEORETICAL STUDY OF MECHANICAL PROPERTIES OF FILLER REINFORCED RUBBER VULCANIZATES. 1: BASIC CONCEPT, MODEL AND EQUILIBRIUM THEORY OF FILLER REINFORCEMENT THEORY BASED ON INTERNAL DEFORMATION. 35p (foreign text included) 6refs.
Order from SLA or ETC: $3.60 as TT-66-13962

Trans. of Nihon Gomu Kyokaishi (Japan) v39 n3 p67 (185) - 75 (193). 1966.

TT-66-13963 Field 11J

Sato, Y.
INTRODUCTION TO CONSIDERATION OF RHEOLOGY OF FILLER-REINFORCED ELEASTOMERS WITH SPECIAL EMPHASIS ON THE MULLINS EFFECT. 86p (foreign text included) 14refs.

Order from SLA or ETC: $8.10 as TT-66-13963

Trans. of Nihon Gomu Kyokaishi (Japan) v37 n2 p99-120 1964.

### K. Solvents, cleaners and abrasives

NCH-204 806 Field 11K

Sieber, H. J.
RECENT INVESTIGATIONS INTO CLEANING TECHNOLOGY IN DRY CLEANING. 1965, 21p. TC-1593.
Order from TC: $19.00 as TC-1593

Trans. of Chemischreiniger und Faerber (USSR) v18 n9 p412-8 1965.

### L. Wood and paper products

NCH-205 917 Field 11L

Narayanamurti, D.; Prasad, B. N.
INFRARED-DRYING OF VENEERS (Infrarottrocknung von Furnieren). 1966, 10p, 8refs. NRC-C-6145; ODF-TR-46.
Order from NRC as C-6145

Trans. of Holz als Roh- und Werkstoff (West Germany) v10 n3 p92-4 1952.

TT-66-13885 Field 11L, 11I

Machida, S.; Yoshii, T.; Yamada, H.
STUDIES ON WATER-SOLUBLE POLYMERS. VI. ON THE APPLICATION OF POLYETHYLENEIMINE TO PAPER-MAKING. 14p, 13refs.
Order from SLA or ETC: $1.60 as TT-66-13885

Trans. of Kami Parupu Gijutsu Kyokai-Shi (Japan) v19 n7 p353-9 1965.

TT-66-14036 Field 11L

Janci, J.; Fellegi, J.; Komorova, K.; Karhanek, M.
FIBER DAMAGE CAUSED BY CONTINUOUS DIGESTER SCREW FEEDER. 17p, 7refs.
Order from SLA or ETC: $1.60 as TT-66-14036

Trans. of Sbornik Vyskumnych Prac z Odboru Celulozy a Papiera (Czechoslovakia) v10 p39-61 1965.

## 12 MATHEMATICAL SCIENCES

TT-66-33401 Field 12-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 44. 12 Aug 66, 8p. JPRS-36971.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33401

Abstract trans. of Ying Yung Shu Hsueh Yu Chi Suan Shu Hsueh (Chinese People's Republic) v3 n2 p69-130 1966 and of Shan Tung Ta Hsueh Hsueh Pao; Tzu Jan K'o Hsueh Pan (Chinese People's Republic) n4 9p 1965.

### A. Mathematics and statistics

NCH-205 705 Field 12A

Glazman, I. M.
APPLICATION OF THE METHOD OF SPLITTING MULTIDIMENSIONAL SINGULAR BOUNDARY VALUE PROBLEMS (O Primenenii Metoda Raschepleniya k Mnogomernym Singulyarnym Zadacham). May 66, 28p, 12refs. RTS-2579.
Order from NLL: 40s as RTS-2579

Trans. of Matematicheskii Sbornik (USSR) v35 n77 p231-46 1954.

NCH-205 814 Field 12A

Krylov, V. I.; Arlyuk, T. K.
THE CONVERGENCE OF QUADRATURE PROCESSES INVOLVING THE VALUES OF DERIVATIVES OF THE FUNCTION TO BE INTEGRATED (O Skhodimosti Kvadraturnykh Protsessov, Soderzashchikh Znacheniya Proizvodnykh ot Integriruemoi Funktsii). Aug 66, 5p, 1ref. RTS-2976.
Order from NLL: 7s 6d as RTS-2976

Trans. of Akademiya Navuk BSSR, Minsk. Doklady, v7 p721-3 1963.

TT-66-13871 Field 12A

Huaux, A.
ON THE INSTABILITY OF THE CONSTANT SOLUTIONS OF DIFFERENTIAL EQUATIONS FOR n ODD (Sur l'Instabilite des Constantes, pour n Impair, du Systeme Differential. 6p, 2refs.
Order from SLA: $1.10 as TT-66-13871

Trans. of Academie des Sciences, Paris. Comptes Rendus (France) v258 n23 p5573-6 1964.

TT-66-13943 Field 12A

Herglotz, G.
GREEN'S FUNCTION OF THE WAVE EQUATION FOR A WEDGE-SHAPED BOUNDARY. 37p, 4refs.
Order from SLA: $3.60 as TT-66-13943

Trans. of Mathematische Annalen (West Germany) v124 n3 p219-34 1952.

TT-66-14164 Field 12A

Richard, U.
SOME ASYMPTOTIC PROBLEMS FOR LINEAR DIFFERENTIAL EQUATIONS (Alcuni Problemi Asimtotici per le Equazioni Differenziali Lineari). 8p, 9refs.
Order from SLA: $1.10 as TT-66-14164

Trans. of Turin Univ. Seminario Matematico. Rendiconti (Italy) v15 p59-64 1955/56.

TT-66-34137 Field 12A

Globenko, I. G.
A LINEAR EXCHANGE MODEL. 19 Sep 66, 8p, 3refs. JPRS-37708.
Order from CFSTI or ETC: HC$1.00, MF$0.50

as TT-66-34137

Trans. of Akademiya Nauk SSSR. Doklady, v169 n2 p295-8 1966.

TT-66-61669 Field 12A, 21D, 21B

Kleinfelder, E. G.; Shchelokov, Ya. M.
NOMOGRAM TO DETERMINE EXCESS AIR. 1966, 5p, 1ref. CE-Trans-4112.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61669

Trans. of Energetik (USSR) v13 n3 p8-10 1965.

TT-66-62302 Field 12A

Ivanov, L. D.
ON THE CONSTRUCTION OF A GENERAL SOLUTION OF THE SYSTEM OF MULTIGROUP TRANSPORT EQUATIONS. 1966, 5p, 5refs.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-62302

Trans. of Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki (USSR) n3 p58-62 1966.

TT-66-62497 Field 12A, 20D

Koryavov, P. P.; Fonarev, A. S.
JOURNAL OF COMPUTER MATHEMATICS AND MATHEMATICAL PHYSICS, VOL. 4, NO. 3, 1964; SELECTED ARTICLES. 24 Jun 66, 43p, 27refs. FTD-MT-65-582; AD-640 726.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-640 726

Edited machine trans. of Zhurnal Vychislitelnoi Matematiki i Matematicheskoi Fiziki (USSR) v4 n3 p495-511, 604-10 1964.

## B. Operations research

TT-66-62501 Field 12B

Tai Ju Wei; Li Pow So; Wang Yu Yin.
A COMPUTING METHOD FOR THE LINEAR TIME OPTIMAL CONTROL SYSTEM. 12 Jul 66, 26p. FTD-TT-65-1921; AD-640 730.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-640 730

Edited trans. of Tzu Tung Hua Hsueh Pao (Chinese People's Republic) v2 n3 p123-35 1964.

# 13 MECHANICAL, INDUSTRIAL, CIVIL, AND MARINE ENGINEERING

TT-66-34655 Field 13-, 1-, 20K

USSR SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 28. 18 Oct 66, 269p. JPRS-38228.
Order from CFSTI or ETC: HC$6.00, MF$1.50 as TT-66-34655

## A. Air conditioning, heating, lighting and ventilating

NCH-205 704 Field 13A

Isachenko, V. P.
HEAT TRANSFER DURING THE DROP CONDENSATION OF STEAM (Teplootdacha pri Kapelnoi Kondensatsii Vodyanogo Para). May 66, 10p, 4refs. RTS-2951.
Order from NLL: 7s 6d as RTS-2951

Trans. of Teploenergetika (USSR) v9 n12 p54-6 1962.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

NCH-205 774 Field 13A

Ots, A. A.
DISTRIBUTION OF THE RADIATION INTENSITY OF THE FLAME OVER THE DEPTH OF THE FURNACE (Raspredelenie Intensivnosti Izlucheniya Fakela po Glubine Topochnogo Prostranstva). Aug 66, 12p, 7refs. RTS-3606.
Order from NLL: 27s 6d as RTS-3606

Trans. of Politekhnicheskii Institut, Tallinn. Trudy (Estonian SSR) n206 p45-53 1963.

NCH-205 794 Field 13A

Bobrovich, G. I.; Gogonin, N. N.; Kutateladze, S. S.
INFLUENCE OF THE SIZE OF THE HEATING SURFACE ON THE CRITICAL HEAT FLUX WHILST BOILING IN A LARGE VOLUME OF LIQUID (Vliyanie Razmera Poverkhnosti Nagreva na Kriticheskii Teplovoi Potok pri Kipenii v Bolshom Obeme Zhidkosti). Aug 66, 6p, 2refs. RTS-3267.
Order from NLL: 5s as RTS-3267

Trans. of Zhurnal Prikladnoi Mekhaniki Tekhnicheskoi Fiziki (USSR) n4 p137-8 1964.

NCH-205 819 Field 13A, 7D

Perelshchtein, I. I.
THERMODYNAMIC PROPERTIES OF SULPHUR HEXAFLUORIDE. Aug 66, 43p, 25refs. RTS-2776.
Order from NLL: 40s as RTS-2776

Trans. of mono. Termodinamicheskie Svoistva Shestiftoristoi Serii, n. p., 1961.

NCH-205 829 Field 13A

Luzhnov, G. I.; Titova, E. Ya.
AN INVESTIGATION OF THE HEAT TRANSFER AND AERODYNAMIC RESISTANCE OF CONVECTIVE HEATING SURFACES (Issledovanie Teploperedachi i Aerodinamicheskogo Soprotivleniya Konvektivnykh Poverkhnostei Nagreva). Aug 66, 18p, 7refs. RTS-2509.
Order from NLL: 15s as RTS-2509

Trans. of Teploenergetika (USSR) v10 n7 p42-7 1963.

NCH-205 831 Field 13A

Ivanov, V. L.
CALCULATION OF HEAT TRANSFER THROUGH A FINNED WALL (Raschet Teploperedachi Cherez Orebrennuyu Poverkhnost). Aug 66, 12p, 2refs. RTS-3318.
Order from RTS: 25s as RTS-3318

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Mashinostroenie (USSR) n9 p174-83 1963.

TT-66-33393 Field 13A, 2C

USSR AGRICULTURE: TRANSLATIONS NO. 143. 12 Aug 66, 10p. JPRS-36963.

Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33393

TT-66-62516 Field 13A, 20M, 20L

Poslt, Z.
THERMOELECTRIC COOLING. 12 Apr 66, 24p, 9refs.
FTD-TT-65-1762; AD-641 105.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-641 105

Unedited rough draft trans. of Sdelovaci Technika (Czechoslovakia) v12 n7 p248-52 1964.

## B. Civil engineering

NCH-205 818 Field 13B

Pevzner, Ya. M.; Tikhonov, A. A.
AN INVESTIGATION INTO THE STATISTICAL PROPERTIES OF THE MICROPROFILE OF THE MAIN TYPES OF MOTOR ROAD (Issledovanie Statisticheskikh Svoistv Mikroprofilya Osnovnikh Tipov Avtomobilnikh Dorog). Aug 66, 13p.
RTS-2781.
Order from NLL: 10s as RTS-2781

Trans. of Avtomobilnaya Promyshlennost (USSR) v30 n1 p15-8 1964.

TT-66-26091 Field 13B

Kulskii, L. A.; Shevchenko, M. A.; Smirnov, P. I.
OZONE TREATMENT OF THE WATER SUPPLY. 21 Nov 63, 6p, 4refs.
Order from ETC or SLA: $1.10 as TT-66-26091

Trans. of Ukrainskii Khimicheskii Zhurnal (USSR) v23 p689-94 1957.

TT-66-34200 Field 13B, 2C

CUBA: TRANSLATIONS NO. 489. 23 Sep 66, 30p.
JPRS-37772.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34200

TT-66-51040/4 Field 13B, 18H

STAUB REINHALTUNG DER LUFT IN ENGLISH, VOL. 25, NO. 4 1965. Hygiene Effects and Control of Dusts, Fogs, Gases, Vapours, Radioactive Particles. Tr. by D. Ben-Yaakov, 1966, 38p, refs. SFCSI-HEW(TT-66-51040/4).
Order from CFSTI: $2.00 as TT-66-51040/4

Trans. of technical articles and patent sections from Staub (West Germany) v25 n4 1965.

TT-66-51040/5 Field 13B, 18H

STAUB REINHALTUNG DER LUFT IN ENGLISH, VOL. 25, NO. 5, 1965. Hygiene Effects and Control of Dust, Fogs, Gases, Vapours, Radioactive Particles. Tr. by D. Ben-Yaakov. 1966, 40p, refs. SFCSI-HEW(TT-66-51040/5).
Order from CFSTI: $2.00 as TT-66-51040/5

Trans. of technical articles and patent sections from Staub (West Germany) v25 n5 1965.

TT-66-51154/4 Field 13B

STAUB REINHALTUNG DER LUFT IN ENGLISH, VOL. 26, NO. 4, 1966. Hygiene Effects and Control of Dusts, Fogs, Gases, Vapors Radioactive Particles. Tr. by D. Ben-Yaakov. 1966, 44p, 40refs.
SCFSI-HEW(TT-66-51154/4).
Order from CFSTI: $2.00 as TT-66-51154/4

Trans. of technical articles and patent sections from Staub (West Germany) v26 n4 1966.

TT-66-51159/1 Field 13B, 18H

STAUB REINHALTUNG DER LUFT IN ENGLISH, VOL. 26, NO. 1, 1966. Hygiene Effects and Control of Dusts, Fogs, Gases, Vapors, Radioactive Particles. Tr. by D. Ben-Yaakov. 1966, 46p. SFCSI-HEW(TT-66-51159/1).
Order from CFSTI: $2.00 as TT-66-51159/1

Trans. of technical articles and patent sections from Staub (West Germany) v26 n1 1966.

TT-66-51159/2 Field 13B, 18H

STAUB REINHALTUNG DER LUFT IN ENGLISH, VOL. 26, NO. 2, 1966. Hygiene Effects and Control of Dusts, Fogs, Gases, Vapors, Radioactive Particles. Tr. by D. Ben-Yaakov. 1966, 45p. SFCSI-HEW(TT-66-51159/2).
Order from CFSTI: $2.00 as TT-66-51159/2

Trans. of technical articles and patent sections from Staub (West Germany) v26 n2 1966.

## C. Construction equipment, materials and supplies

TT-66-26096 Field 13C

Sato, N.; Kanaya, M.
THE QUANTITATIVE DETERMINATION OF CALCIUM SULPHATE OF VARIOUS FORMS CONTAINED IN PORTLAND CEMENT BY DIFFERENTIAL THERMAL ANALYSIS. 16p.
Order from ETC or SLA: $1.60 as TT-66-26096

Trans. of Semento Gijutsu Nenpo (Japan) v16 p70-7 1962.

TT-66-34181 Field 13C

USSR INDUSTRIAL DEVELOPMENT: CONSTRUCTION, CONSTRUCTION MACHINERY, AND BUILDING MATERIALS NO. 22. 21 Sep 66, 33p. JPRS-37753.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34181

TT-66-34482 Field 13C

USSR INDUSTRIAL DEVELOPMENT: CONSTRUCTION, CONSTRUCTION MACHINERY, AND BUILDING MATERIALS NO. 25. 6 Oct 66, 25p. JPRS-38055.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34482

TT-66-34499 Field 13C

Gorbas, N.
USSR INDUSTRIAL DEVELOPMENT: CONSTRUCTION,

CONSTRUCTION MACHINERY, AND BUILDING MATERIALS NO. 26. 10 Oct 66, 15p. JPRS-38072.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34499

Trans. from Stroitelnaya Gazeta (USSR) 31 Aug p2; 26 Aug p2 1966.

TT-66-34591 Field 13C, 13J, 13F, 5C

EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 477. 14 Oct 66, 33p. JPRS-38164.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34591

TT-66-34596 Field 13C, 13M, 5I

PRAVDA EDITORIALS (10 AND 11 OCT 66): TRANSLATIONS NO. 702. 14 Oct 66, 9p. JPRS-38169.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34596

Trans. from Pravda, Moscow (USSR) 10 Oct p1; 11 Oct p1 1966.

TT-66-34609 Field 13C

USSR INDUSTRIAL DEVELOPMENT: CONSTRUCTION, CONSTRUCTION MACHINERY, AND BUILDING MATERIALS NO. 27. 17 Oct 66, 13p. JPRS-38182.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34609

Trans. from Stroitelnaya Gazeta (USSR) 24 Aug p3 1966 and Izvestiya (USSR) 23 Aug p3 1966.

## E. Couplings, fittings, fasteners and joints

NCH-205 822 Field 13E, 20K

Korolev, L. V.; Korovin, N. N.
RESEARCH ON THE STRESS CONDITIONS IN THE SOCKET JOINT (Issledovanie Raboti Stakannogo Stika. Kolonni o Fundamentom). Aug 66, 13p. RTS-3376.
Order from NLL: 10s as RTS-3376

Trans. of Beton i Zhelezobeton (USSR) v9 n10 p459-62 1963.

## F. Ground transportation equipment

TT-66-34065 Field 13F

EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 469. 15 Sep 66, 20p. JPRS-37637.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34065

TT-66-34148 Field 13F

USSR TRANSPORTATION: TRANSLATIONS NO. 140. 20 Sep 66, 9p. JPRS-37720.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34148

TT-66-34311 Field 13F, 2C

USSR INDUSTRIAL DEVELOPMENT: AUTOMOTIVE AND TRACTOR INDUSTRY NO. 17. 28 Sep 66, 18p. JPRS-37883.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34311

TT-66-34379 Field 13F, 2C

USSR INDUSTRIAL DEVELOPMENT: AUTOMOTIVE AND TRACTOR INDUSTRY NO. 18. 3 Oct 66, 14p. JPRS-37952.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34379

TT-66-34424 Field 13F, 2C

USSR INDUSTRIAL DEVELOPMENT: AUTOMOTIVE AND TRACTOR INDUSTRY NO. 19. 4 Oct 66, 23p. JPRS-37997.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34424

TT-66-34498 Field 13F, 2C

USSR INDUSTRIAL DEVELOPMENT: AUTOMOTIVE AND TRACTOR INDUSTRY NO. 20 Oct 66, 20p. JPRS-38071.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34498

TT-66-34517 Field 13F

USSR TRANSPORTATION: TRANSLATIONS NO. 145. 11 Oct 66, 19p. JPRS-38090.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34517

TT-66-34527 Field 13F, 2C

USSR INDUSTRIAL DEVELOPMENT: AUTOMOTIVE AND TRACTOR INDUSTRY NO. 21. 11 Oct 66, 15p. JPRS-38100.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34527

TT-66-34606 Field 13F, 2C

Siyalkes, M. K.; Pankratov, F.
USSR INDUSTRIAL DEVELOPMENT: AUTOMOTIVE AND TRACTOR INDUSTRY NO. 22. 17 Oct 66, 12p. JPRS-38179.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34606

Trans. of Byulleten Tekhniko-Ekonomicheskoi Informatsii (USSR) n5 p15-7 1966, and Bukhgalterskii Uchet (USSR) v23 n7 p3-6 1966.

TT-66-34648 Field 13F, 2C

USSR INDUSTRIAL DEVELOPMENT: AUTOMOTIVE AND TRACTOR INDUSTRY NO. 23. 18 Oct 66, 33p. JPRS-38221.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34648

TT-66-34678 Field 13F

Druzenko, A.; Ovcharov, M.; Rogachevskii, A.; Smirnova, E.; Nikolaev, A.
USSR TRANSPORTATION: TRANSLATIONS NO. 148. 20 Oct 66, 30p. JPRS-38252.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-34678

Trans. from Izvestiya (USSR) 23 Aug p3, 4; 6 Sep p4; 7 Sep p4; 23 Sep p3 1966 and Pravda, Moscow, (USSR) 22 Sep p2, 4; 23 Sep p3 1966.

TT-66-34747 Field 13F

Serdinov, S. M.
USSR TRANSPORTATION: TRANSLATIONS NO. 149. 26 Oct 66, 46p. JPRS-38321.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-34747

Trans. of Zheleznodorozhnyi Transport (USSR) v48 n8 p11-24, 44-50, 90-2 1966.

## G. Hydraulic and pneumatic equipment

TT-66-34357 Field 13G

Santamarina, J.; Correa, A.; Perejrest, S.; March, C.
CUBA: TRANSLATIONS NO. 494. Cuban Hydraulic Engineering Problems and Projects. 29 Sep 66, 43p. JPRS-37929.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-34357

Trans. of Voluntad Hidraulica (Cuba) v2 n6 p7-17, 40-8 1966.

TT-66-62435 Field 13G, 21E

Topunov, A. M.; Tikhomirov, B. A.
DESIGNING TWO-CASCADE COMPRESSORS. 21 Jun 66, 16p, 6refs. FTD-HT-66-246; AD-640 293.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 293

Unedited rough draft trans. of Energomashinostroenie (USSR) v11 n5 p29-32 1965.

## H. Industrial processes

NCH-205 161 Field 13H

Dedek, V.; Zarsky, J.
EFFECT OF TOTAL COLD DEFORMATION AND ANNEALING ON THE DEEP-DRAWING PROPERTIES OF STEEL STRIPS. 1965. MT-Trans-600.
Order from MT as MT-Trans-600

Trans. of Hutnicke Listy (Czechoslovakia) v20 n9 p651-8 1965.

NCH-205 167 Field 13H, 11F

Babenyshev, M. A.; Pronkin, V. E.
OPERATION OF A 600-TON OPEN-HEARTH FURNACE WITH OXYGEN INJECTION INTO THE BATH. 1966. MT-Trans-673.
Order from MT: $8.60 as MT-Trans-673

Trans. of Metallurg (USSR) v11 n1 p14-6 1966.

NCH-205 870 Field 13H, 13A, 11F

Nekrasov, Z. I.; Obodan, Ya. M.
OPERATION OF A BLAST FURNACE BY USING DATA ON AUTOMATIC GAS CONTROL IN THE PERIPHERAL ZONE. 4 Aug 66. BISI-4622.
Order from BISI: $28.00 as BISI-4622

Trans. of Akademiya Nauk URSR, Kiev. Instyut Chornoi Metallurgii. Trudy, v12 p37-67 1960.

NCH-205 871 Field 13H

Schloetterer, H.
PRODUCTION AND SURFACE PROPERTIES OF ORIENTED ELECTRODEPOSITS. 4 Aug 66. BISI-4713.
Order from BISI: $12.60 as BISI-4713

Trans. of Metalloberflaeche (West Germany) v18 n2 p33-7 1964.

NCH-205 873 Field 13H, 11F

Scholz, R.
BEDDING PLANTS IN BLAST-FURNACES AND IMPROVEMENT IN SINTER QUALITY IN THE KLEMENT GOTTWALD STEELWORKS. 4 Aug 66. BISI-4741.
Order from BISI: $19.60 as BISI-4741

Trans. of Hutnicke Listy (Czechoslovakia) v20 n9 p658-62 1965.

NCH-205 898 Field 13H

Vatkin, Ya. L.
METAL PRESSURE ON THE ROLLS OF A CONTINUOUS TUBE ROLLING MILL MODEL. 18 Aug 66. BISI-4923.
Order from BISI: $14.00 as BISI-4923

Trans. of Metallurgicheskii Institut, Dnepropetrovsk. Sbornik Trudov (USSR) v49 p332-42 1965.

NCH-205 901 Field 13H

Gebauer, A.
RAPIDLY HARDENING MOULDING MATERIALS WITH A BASE OF DEXTRIN, A BASE OF SULPHITE LIQUOR-DEXTRIN AND A BASE OF WATER-GLASS-DEXTRIN. 18 Aug 66. BISI-4981.
Order from BISI: $2.80 as BISI-4981

Trans. of Giessereitechnik (East Germany) v6 n9 p280-1 1960.

NCH-205 903 Field 13H, 11F

Kuczewski, W.
SOME FACTORS AFFECTING THE BLAST FURNACE PROCESS. 25 Aug 66. BISI-4650.
Order from BISI: $9.80 as BISI-4650

Trans. of Hutnik (Poland) v22 n10 p358-62 1955.

TT-66-14229 Field 13H

Makovskii, F. A.
THE PRODUCTION OF A THIN METAL WIRE (Poluchenie Tonkoi Metallicheskoi Provoloki). 9p (foreign text included) 5refs.

Order from SLA or ETC: $1.10 as TT-66-14229

Trans. of Zhurnal Tekhnicheskoi Fiziki (USSR) v10 n4 p342-3 1940.

TT-66-34118 Field 13H, 11F

Bersudskii, V. E.; Krysin, V. N.; Lesnykh, S. I.
PRODUCTION OF HONEYCOMB STRUCTURES FROM STAINLESS STEELS AND TITANIUM ALLOYS. Chapter 6 of Production of Honeycomb Structures. 19 Sep 66, 31p, refs. JPRS-37690.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-34118

Trans. of mono. Proizvodstvo Sotovykh Konstruktsii, Moscow, 1966 p250-80.

TT-66-34132 Field 13H, 11F

SOVIET CONFERENCES ON MATERIALS ENGINEERING: SELECTED ARTICLES. 19 Sep 66, 48p. JPRS-37703.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-34132

TT-66-34174 Field 13H, 11F

SOVIET ELECTRON-BEAM TECHNOLOGY: SELECTED ARTICLES. 21 Sep 66, 15p, refs. JPRS-37746.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34174

TT-66-34340 Field 13H, 11F

Lyapunov, M. A.; Tsenta, E. L.; Yufa, E. P.
ELECTRIC-PULSE MACHINING OF METALS AND ALLOYS, CHAP. 4 AND 5. 29 Sep 66, 37p, 28refs. JPRS-37912.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-34340

Trans. of mono. Elektroimpulsnaya Obrabotka Metallov i Splavov, Kiev, 1965 p76-111.

TT-66-34461 Field 13H, 11F

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: MATERIALS SCIENCE AND METALLURGY NO. 4. 6 Oct 66, 12p. JPRS-38034.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34461

TT-66-34725 Field 13H

Matkhanov, V. N.; Shnaider, B. I.; Lazarson, E. V.; Boiko, G. A.; Kuzmin, G. S.
SOVIET CONFERENCES ON WELDING. 24 Oct 66, 24p. JPRS-38299.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34725

Trans. of Avtomaticheskaya Svarka (USSR) v19 n1 p78-80; n5 p79-80 1966 and Svarochnoe Proizvodstvo (USSR) n5 p41-2; n6 p46 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-34736 Field 13H

RESULTS OF THE COMPETITION IN DIFFUSION WELDING. 25 Oct 66, 5p. JPRS-38310.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34736

Trans. of Svarochnoe Proizvodstvo (USSR) n7 p47 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-65-50003 Field 13H

Lainer, V. I.; Kudryavtsev, N. T.
FUNDAMENTALS OF ELECTROPLATING, PT. 2. 1966, 535p, refs. SFCSI-Comm(TT-65-50003).
Order from CFSTI: $8.36 as TT-65-50003

Trans. of mono. Osnovy Galvanostegii, 3d ed., Pt. 2, Moscow, 1957.

TT-66-60667 Field 13H, 13E

STUDY OF WELDED JOINTS FOR VERY THICK STEEL PLATES. 23 Jun 65, 14p. EURAEC-1362; N66-13107.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as N66-13107

Trans. of Institut de Soudure, Paris, Quarterly rept. (France) n3 1 Jan-31 Mar 1965.

TT-66-62427 Field 13H

Sogrishin, Yu. P.; Koyakovskii, N. F.
HIGH-SPEED STAMPING OUT OF METALS. 6 Apr 66, 11p. FTD-TT-65-1372; AD-640 285.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 285

Unedited rough draft trans. of Byulleten Tekhniko-Ekonomicheskoi Informatsii (USSR) n9 p25-8 1964.

## I. Machinery and tools

NCH-205 775 Field 13I

Baranov, B. A.; Zodotv, V. N.
PRINCIPLES OF THE STANDARIZATION OF LATHE WORK (Osnovy Normirovaniya Stanochnykh Rabot). Aug 66, 90p. RTS-3596.
Order from NLL: 40s as RTS-3596

Trans. of mono. Tenicheskoe Normirovanie na Mashinostr. Zabotse (sic) n.p., 1958 p137-200.

NCH-205 821 Field 13I, 20K

Boyarinov, V. S.; Neimark, Yu. I.
THE VIBRATION OF SHAFTS IN BALL BEARINGS (O Vibratsiyakh Vala v Sharikopodshipnike). Aug 66, 16p, 8refs. RTS-3288.
Order from NLL: 27s 6d as RTS-3288.

Trans. of Akademiya Nauk SSSR, Izvestiya. Mekhanika, n3 p49-59 1965.

TT-66-34064 Field 13I

EAST EUROPEAN HEAVY INDUSTRY: TRANSLATIONS NO. 290. 15 Sep 66, 18p. JPRS-37636.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34064

TT-66-34305 Field 13I, 8I

EAST EUROPEAN HEAVY INDUSTRY: TRANSLATIONS NO. 291. 28 Sep 66, 27p. JPRS-37877.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34305

TT-66-34380 Field 13I

USSR INDUSTRIAL DEVELOPMENT: METALWORKING EQUIPMENT NO. 203. 3 Oct 66, 12p. JPRS-37953.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34380

Trans. of Standarty i Kachestvo (USSR) n6 p57-60 1966 and from Izvestiya (USSR) 3 Aug p5 1966.

TT-66-34502 Field 13I

Shats, Ya. U.; Safragan, E.; Goncharenko, B. A.
USSR INDUSTRIAL DEVELOPMENT: METALWORKING EQUIPMENT NO. 204. 10 Oct 66, 18p. JPRS-38075.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34502

Trans. of Mekhanizatsiya i Avtomatizatsiya Proizvodstva (USSR) v20 n6 p49-52, 56-7 1966.

TT-66-34519 Field 13I

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 52. 11 Oct 66, 46p. JPRS-38092.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34519

Abstract trans. of Shang Hai Chi Hsieh (Chinese People's Republic) n9 p1-45; n10 p1-44 1965.

TT-66-34616 Field 13I

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 54. 17 Oct 66, 19p. JPRS-38189.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34616

Abstract trans. of Shang Hai Chi Hsieh (Chinese People's Republic) n11 p1-44ff 1965.

TT-66-34633 Field 13I

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 53. 18 Oct 66, 14p. JPRS-38206.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34633

Abstract trans. of Shang Hai Hai Chi Hsieh (Chinese People's Republic) n12 45p 1965.

TT-66-34652 Field 13I

EAST EUROPEAN HEAVY INDUSTRY: TRANSLATIONS NO. 294. 18 Oct 66, 22p. JPRS-38225.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34652

TT-66-34877 Field 13I

Belyakov, F. V.; Pavlintsev, E. M.; Sigal, L. E.
USSR INDUSTRIAL DEVELOPMENT: METALWORKING EQUIPMENT NO. 205. Automatic Line for Plastic Parts Production. 2 Nov 66, 6p (figs omitted). JPRS-38451.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34877

Trans. of Mekhanizatsiya i Avtomatizatsiya Proizvodstva (USSR) v20 n7 p1-3 1966.

TT-66-62453 Field 13I, 13G

Kostina, S. V., ed.
AUTOMATED DRIVES AND THEIR ELEMENTS (Avtomatizirovannye Privody i Ikh Elementy). 22 Apr 66, 213p, 2refs. FTD-MT-64-289; AD-640 379.
Order from CFSTI or ETC: HC$6.00, MF$1.25
as AD-640 379

Edited machine trans. of Aviatsionnyi Institut, Moscow. Trudy (USSR) v146 160p 1962.

## J. Marine engineering

TT-66-33330 Field 13J, 13B, 5C

EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 460. 9 Aug 66, 20p. JPRS-36900.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33330

TT-66-34405 Field 13J, 13F, 1B

USSR TRANSPORTATION: TRANSLATIONS NO. 142. 4 Oct 66, 58p. JPRS-37978.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-66-34405

TT-66-34452 Field 13J, 13F, 13C

USSR TRANSPORTATION: TRANSLATIONS NO. 143. 5 Oct 66, 53p. JPRS-38025.
Order from CFSTI or ETC: HC$3.00, MF$0.50
as TT-66-34452

TT-66-34481 Field 13J, 13F, 1B

USSR TRANSPORTATION: TRANSLATIONS NO. 144. 6 Oct 66, 34p. JPRS-38054.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34481

TT-66-34599 Field 13J, 13F

USSR TRANSPORTATION: TRANSLATIONS NO. 146. 17 Oct 66, 34p. JPRS-38172.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34599

TT-66-34654 Field 13J

Volkov, N.; Rabinovich, I.; Sokolov, V.; Memchinov, N.; Afrnasev, A.
USSR TRANSPORTATION: TRANSLATION NO. 147. 18 Oct 66, 43p (figs omitted). JPRS-38227.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-34654

Trans. from Vodnyi Transport (USSR) 9 Jun p2; 16 Jun p4; 18 Jun p1; 30 Jun p1; 5 Jul p4; 12 Jul p2; 19 Jul p1; 21 Jul p1; 2 Aug p3; 23 Aug p1 1966.

## L. Safety engineering

TT-66-62455 Field 13L, 16A, 1E, 13F

Nyberg, P. R.; Paasche, J.
PROTECTIVE STRUCTURES AND COMPONENTS: COMPILATION OF ABSTRACTS. 29 Jul 66, 43p, 41refs. ATD-66-90; AD-640 374.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-640 374

Based on Chicom and Western open sources pub. 1964-1966.
Rept. on Surveys of Chinese Communist Scientific and Technical Literature.

## M. Structural engineering

NCH-205 806 Field 13M

Shevelev, I.
GEOMETRIC HARMONY IN ARCHITECTURE (Geometricheskaya Garmoniya v Arkhitecture). Aug 66, 25p. RTS-3080.
Order from NLL: 25s as RTS-3080

Trans. of Arkhitektura SSSR, n3 p40-9 1965.

TT-66-13689 Field 13M

Finne, E.
THE FUNCTION OF THE COLD ROOF. 21p (figs omitted).
Order from SLA: $2.60 as TT-66-13689

Trans. of unidentified mono. n.p., n.d.

TT-66-34389 Field 13M

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 49. 3 Oct 66, 22p. JPRS-37962.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34389

Trans. of Chien Chu Hsueh Pao (Chinese People's Republic) n4-5 75p 1966.

TT-66-61863 Field 13M, 13A

Goromosov, M. S.
THE MICROCLIMATE OF DWELLINGS. Tr. by M. S. Goromosov. Nov 65, 72p, 108refs. LC-1325.
Order from CFSTI, SLA, or ETC: HC$7.60, MF$0.75 as TT-66-61863

Trans. of mono. Microclimat Zhilish i Ego Gigienicheskoe Normirovanie, Moscow, 1963.

# 14 METHODS AND EQUIPMENT

## A. Cost effectiveness

TT-66-33392 Field 14A, 5A

Kristov, E.
INTERNAL COST ACCOUNTING OF AN INDUSTRIAL ENTERPRISE (Vutreshnata Stopanska Smetka v Promishlenoto Predprivatie). 11 Aug 66, 66p. JPRS-36962.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-33392

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## B. Laboratories, test facilities, and test equipment

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TT-66-34422 Field 15-, 5I

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SOVIET MILITARY TRANSLATIONS NO. 335. Civil Defense and DOSAAF. 13 Oct 66, 10p. JPRS-38152.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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TT-66-34626 Field 15C

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### E. Logistics

TT-66-34426 Field 15E, 5I, 5D

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STUDY OF VOLUME SOUND SCATTERING IN THE OCEAN AND MEASUREMENT OF THE ACOUSTIC CHARACTERISTICS OF SCATTERING LAYERS. 28 Oct 66, 16p, 14refs. JPRS-38379.
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Order from SLA: $1.10 as TT-66-14137

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Order from SLA: $1.10 as TT-66-14244

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TT-66-34396 Field 17B

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TT-66-34432 Field 17B

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## 18 NUCLEAR SCIENCE AND TECHNOLOGY

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TT-66-12030 Field 18F, 6R

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Trans. of Technische Hochschule, Munich. Rept. (West Germany) 1963.

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TT-66-11872 Field 18K, 20M

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STUDY OF LIQUID METAL BOILING UNDER FORCED CONVECTION (Beitrag zur Untersuchung des Siedens von Fluessigmetallen bei Erzwungener Konvektion). Tr. by E. K. Wilip. Dec 65, 32p, 12refs. ANL-Trans-257.
Order from SLA: $3.60 as TT-66-11872

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## 19 ORDNANCE

### D. Explosions, ballistics, and armor

NCH-206 014 Field 19D, 7A

Hashiguchi, Y.; Ogahara, T.; Iwasaka, M.; Ozawa, K.
EFFECT OF PRESSURE ON THE DETONATION LIMITS OF ETHYLENE. 1966, 13p. ATS-57T95J.
Order from ATS: $19.75 as ATS-57T95J

Trans. of Kogyo Kagaku Zasshi (Japan) v69 n4 p593-7 1966.

TT-66-33988 Field 19D, 21B

SOVIET RESEARCH ON THE PHYSICS OF COMBUSTION AND EXPLOSION. 13 Sep 66, 88p, 75refs. JPRS-37560.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-33988

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TT-66-62420 Field 19D, 20D, 22A

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MOVEMENT OF THE TWO PARTS AFTER THE BURSTING APART OF A VOLUME WITH GAS IN A VACUUM. 30 Mar 66, 13p, 1ref. FTD-TT-65-1675; AD-640 256.
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TT-66-62467 Field 19D, 7D, 12A

Apin, A. Ya.; Voskoboinikov, I. M.
CALCULATION OF PARAMETERS OF A DETONATION WAVE OF CONDENSED EXPLOSIVES (Raschet Parametrov Detonatsionnoi volni v Kondensirovannykh Vzryvchatykh Veshchestvakh). Tr. by Kirill S. Fietinghoff. 1960, 6p, 5refs. Trans-2083; AD-640 525.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 525

Trans. of Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki (USSR) n4 p54-5 1960.

TT-66-62472 Field 19D

Soloukhin, R. I.
ON DETONATION IN A GAS HEATED BY A SHOCK WAVE. Tr. by W. R. Blake. 3 Aug 66, 20p, 11refs. TG-230-T494; AD-640 609.
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TT-66-34096 Field 20-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 51. 19 Sep 66, 8p. JPRS-37668.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34096

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TT-66-34179 Field 20-, 12-

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Order from CFSTI or ETC: HC$5.00, MF$1.00 as TT-66-34179

TT-66-34237 Field 20-, 12A

EAST EUROPEAN SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 71. 26 Sep 66, 95p. JPRS-37809.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-34237

TT-66-34433 Field 20-, 12-

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TT-66-34440 Field 20-, 12A

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TT-66-34469 Field 20-, 12A

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 54. 6 Oct 66, 28p. JPRS-38042.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34469

TT-66-34520 Field 20-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 56. 11 Oct 66, 36p. JPRS-38093.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34520

Abstract trans. of Wu Li T'ung Pao (Chinese People's Republic) n4 p145-92; n5 p193-240; n6 p241-88; n8 p337-84 1965.

TT-66-34535 Field 20-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 57. 12 Oct 66, 12p. JPRS-38108.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34535

Abstract trans. of Wu Li T'ung Pao (Chinese People's Republic) n7 p289-336 1966.

TT-66-34546 Field 20-, 12A

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 58. 12 Oct 66, 12p. JPRS-38119.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34546

Abstract trans. of Wu Li T'ung Pao (Chinese People's Republic) n6 p278-88 1966 and Shu Hsueh Chin Chan (Chines People's Republic) v9 n4 p313-410 1966.

TT-66-34595 Field 20-, 12-

USSR SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 78. 14 Oct 66, 90p. JPRS-38168.
Order from CFSTI or ETC: HC$5.00, MF$0.75
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TT-66-34638 Field 20-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 59. 18 Oct 66, 14p. JPRS-38211.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34638

Abstract trans. of Wu Li T'ung Pao (Chinese People's Republic) n11 p498-529 1965.

TT-66-34706 Field 20-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 60. 21 Oct 66, 15p. JPRS-38280.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34706

Abstract trans. of Wu Li Hsueh Pao (Chinese People's Republic) v22 n7 p729-848 1966.

## B. Crystallography

NCH-205 848 Field 20B, 20K

Brovman, E. G.; Kagan, Yu.
ON THE LATTICE VIBRATION SPECTRUM OF WHITE TIN. Jun 66, 27p, 16refs. RTS-3019.
Order from NLL: 40s as RTS-3019

Trans. of mono. O Spektre Kolebanii Reshetki Belogo Olova, n.p., 1964 27p.

TT-66-14103 Field 20B, 20L

Romestain, R.; Margerie, J.
STRUCTURE OF THE EXCITED F-CENTER STATES IN NaCl, NaBr, AND KCl COMPOUNDS. Tr. by A. L. Monks. Jul 64, 5p, 7refs. ORNL-tr-156.
Order from SLA: $1.10 as TT-66-14103

Trans. of Academie des Sciences, Paris. Comptes Rendus (France) v258 p2525-8 1964.

## C. Electricity and magnetism

TT-66-14105 Field 20C

Swars, M.
THE MAGNETIC INFLECTOR. Tr. by R. Addis. Oct 64, 31p. SLAC-Trans-11.
Order from SLA: $3.60 as TT-66-14105

Trans. of Deutsches Elektronen-Synchrotron, Hamburg. Rept. (West Germany) n64/7 May 1964.

TT-66-14133 Field 20C

Koga, I.
FREQUENCY AND NORMAL MODE OF THICKNESS VIBRATION OF THIN PIEZO-ELECTRIC OSCILLATING CRYSTAL PLATE. 5p.
Order from SLA or ETC: $1.10 as TT-66-14133

Trans. of Denki Gakkai Zasshi (Japan) v52 n6 p498-9 1932.

TT-66-14247 Field 20C

Kockel, B.; Mrowka, B.
ON THE THEORY OF THE BARKHAUSEN-KURZ TUBE. 13p (figs omitted) 13refs.
Order from SLA: $1.60 as TT-66-14247

Trans. of Zeitschrift fuer Technische Physik (Germany) v20 n2 p42-6 1939.

TT-66-61363 Field 20C

Petrakovskii, G. A.; Berzhanskii, V. N.
ON THE NONLINEAR THEORY OF SPIN WAVE EXCITATION

IN FERRITES BY A LONGITUDINAL MICROWAVE MAGNETIC FIELD. 1966, 7p, refs.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50
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Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Fizika (USSR) n5 p128-33 1965.

TT-66-62411 Field 20C, 20N

NEWS OF INSTITUTIONS OF HIGHER LEARNING. PHYSICS NO. 3 1964: SELECTED ARTICLES. 18 Apr 66, 19p, 5refs. FTD-TT-65-762; AD-640 225.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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Unedited rough draft trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Fizika (USSR) n3 p3-6, p72-7 1964.

TT-66-62439 Field 20C, 7E, 20F

Kopylov, Yu. A. ; Trofimova, T. N.
CERTAIN PHOTOCONDUCTIVITY LAWS IN LIQUID ORGANIC SEMICONDUCTORS. 18 Apr 66, 15p, 3refs. FTD-TT-65-933; AD-640 299.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-640 299

Unedited rough draft trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Fizika (USSR) n5 p28-33 1964.

## D. Fluid mechanics

NCH-205 661 Field 20D

Kudryashev, L. I.; Golovin, V. M.
THE EFFECT OF THE DISSIPATION OF MECHANICAL ENERGY ON HEAT-EXCHANGE IN LAMINAR FLOW OF A LIQUID IN A CIRCULAR CYLINDRICAL TUBE (Vliyanie Dissipatsii Mekhanicheskoi Energii na Teploobmen pri Laminaronom Dvizhenii Zhidkosti v Krugloi Tsilindricheskoi Trube). Apr 66, 9p, 3refs. RTS-3248.
Order from NLL: 22s 6d as RTS-3248

Trans. of Aviatsionnyi Institut, Kuibyshev, Trudy (USSR) v15 n1 p37-45 1962.

NCH-205 800 Field 20D

Mikhailov, A. I.; Kalinin, E. K.; Dreitser, G. A.
LONGITUDINAL AIR FLOW OF A STAGGERED TUBE BUNDLE-INVESTIGATION OF HYDRAULIC RESISTANCE (Issledovanie Gidravlicheskogo Soprotivleniya pri Prodolnom Omyvanii Vozdukhom Shakhmatnogo Puchka Trub). Aug 66, 9p, 13refs. RTS-3180.
Order from NLL: 12s 6d as RTS-3180
Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) v7 n11 p41-6 1964.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

NCH-205 827 Field 20D

Shalnev, K. K.
SCALE EFFECT OF CAVITATION EROSION (Masshtabnyi Effekt Kavitatsionnoi Erozii). Aug 66, 20p, refs. RTS-3085.
Order from NLL: 20s as RTS-3085

Trans. of Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki (USSR) n4 p121-8 1962.

TT-65-63651 Field 20D, 7D

Losev, S. A.; Generalov, N. A.
THE EXPERIMENTAL MEASUREMENT OF THE ABSORPTION CAPACITY OF AIR BEHIND THE FRONT OF A SHOCK WAVE (Eksperimentalnoe Izmerenie Pogloshchatelnoi Sposobnosti Vozdukha za Frontom Udarnoi Volny). Tr. by J. W. Palmer. Dec 64, 9p. RAE-Lib-Trans-1086.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50
as TT-65-63651

Trans. of Fizicheskie Problemy Spektroskopii (USSR) v1 p114-6 1960.

TT-65-64271 Field 20D

Peyret, R.
FLOW IN A CONDUIT OF AN ELECTRICALLY CONDUCTING COMPRESSIBLE FLUID UNDER THE ACTION OF A NONUNIFORM MAGNETIC FIELD. Jun 65, 13p. N65-27642; NASA-TT-F-9397.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as N65-27642

Trans. of unpublished mono. Ecoulement en Conduite d'un Fluide Compressible, Conducteur de l'Electricite, sous l'Action d'un Champ Magnetique non Uniforme, n.p., 1965.

TT-66-14194 Field 20D

Boussinesq, J.
ON THE THEORY OF THE FLOW OF LIQUIDS THROUGH THIN-WALLED CIRCULAR OR ELONGATED RECTRANGULAR ORIFICES; APPROXIMATE CALCULATION OF THE DISCHARGE AND ITS DISTRIBUTION AMONG THE VARIOUS SURFACE ELEMENTS OF THE ORIFICE (Sur la Theorie de l'Ecoulement des Liquides par les Orifices en Mince Paroi, Circulaires ou Rectangulaires Allonges; Calcul Approche fu Debit et de sa Repartition Entre les Divers Elements Superficiels de l'Orifice). 27p (foreign text included) 3refs.
Order from SLA: $2.60 as TT-66-14194

Trans. of Journal de Physique (France) s3 v1 p265-85 1892.

TT-66-14234 Field 20D

Guth, E.; Simha, R.
INVESTIGATIONS ON THE VISCOSITY OF SUSPENSIONS AND SOLUTIONS. III. THE VISCOSITY OF SUSPENSIONS OF SPHERES (CALCULATION OF THE WALL INFLUENCE AND THE INTERACTION WITH VISCOSITY AND WITH ROTATING SPHERES). 28p, 16refs.
Order from SLA: $2.60 as TT-66-14234

Trans. of Kolloid Zeitschrift und Zeitschrift fuer Polymere (West Germany) v74 n3 p266-75 1936.

TT-66-14235 Field 20D

Abdurashitov, S. A.; Karaev, M. A.
INVESTIGATION ON THE HYDRAULIC SIZE OF SOLID

PARTICLES, SETTLING THROUGH A SEPARATION BOUNDARY OF TWO LIQUIDS. 7p, 5refs.
Order from SLA or ETC: $1.10 as TT-66-14235

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Neft i Gaz (USSR) v8 n11 p69-74 1965.

TT-66-14342 Field 20D

Benard, H.
CELLULAR VORTICES IN A FILM OF LIQUID. PT. I, GENERAL DESCRIPTION OF THE PHENOMENA. 30p, 7refs.
Order from SLA: $2.60 as TT-66-14342

Trans. of Revue Generale des Sciences Pures et Appliquees (France) v11 n23 p1261-71 1900.

TT-66-34191 Field 20D, 12A

Monin, A. S.; Yaglom, A. M.
STATISTICAL HYDROMECHANICS. 22 Sep 66, 610p, 665refs. JPRS-37763.
Order from CFSTI or ETC: HC$9.00, MF$2.50 as TT-66-34191

Trans. of mono. Statisticheskaya Gidromekhanika. Mekhanika Turbulentnosti. Chast' 1, Moscow, 1965 639p. Statistical Hydromechanics. The Mechanics of Turbulence, Pt. 1.

TT-66-61334 Field 20D

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ON FLUID OSCILLATIONS IN TUBES AT MODERATE REYNOLDS NUMBERS. 1966, 5p, 7refs.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61334

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TT-66-62468 Field 20D, 20M

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A CONVERGENT SHOCK WAVE IN A HEAT CONDUCTING GAS (Skhodyashchayasya Udarnaya Volna v Teploprovodnom Gaze). Tr. by Kirill S. Fietinghoff. 1966, 7p, 3refs. Trans-2084; AD-640 526.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 526

Trans. of Prikladnaya Matematika i Mekhanika (USSR) v29 p334-6 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

## F. Optics

NCH-205 995 Field 20F

Diedericha, E.
OPTICAL TRANSFER THEORY APPLIED TO SURFACE QUALITY. Thesis. 1966, 69p. ATS-62T92G.
Order from ATS: $65.75 as ATS-62T92G

Trans. of mono. Technische Hochschule Carlo-Wilhelmina, Brunswick. Thesis (West Germany) n. d.

NCH-206 000 Field 20F

Steubing, W.
SPECTRAL INTENSITY SHIFT AND ATTENUATION OF IODINE FLUORESCENCE BY A MAGNETIC FIELD. 1966, 28p. ATS-50T94G.
Order from ATS: $46.50 as ATS-50T94G

Trans. of Annalen der Physik (East Germany) v58 s4 p55-104 1919.

TT-65-32863 Field 20F

Ufimtsev, P. Ya.
TRANSVERSE DIFFUSION DURING WAVE DIFFRACTION ON A WEDGE. 13 Oct 65, 15p, 7refs. JPRS-32373.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-32863

Trans. of Radiotekhnika i Elektronika (USSR) v10 n6 p1013-22 1965.
For another listing of this journal see Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-13909 Field 20F

Helwig, G.; Koenig, H.
ON THE PREPARATION OF LIGHT-SENSITIVE CADMIUM SULFIDE LAYERS BY CATHODE SPUTTERING (Ueber die Herstellung von Lichtempfindlichen Cadmiumsulfidschichten durch Kathodenzerstaubung). 7p, 15refs.
Order from SLA: $1.10 as TT-66-13909

Trans. of Zeitschrift fuer Angewandte Physik (West Germany) v7 n7 p323-5 1955.

TT-66-14239 Field 20F, 7D

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Order from SLA: $1.60 as TT-66-14239

Trans. of Mikrochimica et Ichnoanalytica Acta (Austria) v7 n3 p305-13 1929.

TT-66-62418 Field 20F

Samson, A. M.
ACCUMULATION AND CONSUMPTION OF RADIATION IN A LAYER USING SEPARABLE MIRRORS. 18 Apr 66, 8p, 3refs. FTD-TT-65-1379; AD-640 254.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 254

Unedited rough draft trans. of Akademiya Navuk BSSR, Minsk. Vestsi. Seryya Fizika-Tekhnichnykh Navuk, n3 p129-31 1964.

TT-66-62525 Field 20F

Polyanskii, V. K.; Rvachev, V. P.
LIGHT REFLECTION FROM ROUGH SURFACES. 15 Sep 66, 17p, 13refs. RSIC-588; AD-641 140.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-641 140

Trans. of Optika i Spektroskopiya (USSR) v20 n4 p701-8 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

## G. Particle accelerators

TT-66-14160 Field 20G

Authier, A.; Montenay-Garestier, M. T.
EFFECTS OF PROTON IRRADIATION ON SILICON (Influence de l'Irradiation par des Protons sur du Silicium). 12p, 5refs.
Order from SLA: $1.60 as TT-66-14160

Trans. of International Conference on the Physics of Semiconductors (no. 7) Paris-Rayaumont, 1964. Proceedings, n.p., 1965 p79-86.
Radiation Damage in Semiconductors.

## H. Particle physics

NCH-205 499 Field 20H

Friedl, W.; Hagen, S.
ENERGY TRANSFER IN NOBLE GAS MIXTURES THROUGH SECOND-ORDER COLLISIONS. 1966, 7p. ATS-12T92G.
Order from ATS: $12.50 as ATS-12T92G

Trans. of Optik (West Germany) v15 n11 p686-93 1958.

NCH-205 701 Field 20H

Korda, Yu. S.; Timoshevski, E. F.; Remaev, V. V.
PHOTOELECTRIC EFFICIENCY OF A NaI(T1) CRYSTAL FOR UNCOLLIMATED GAMMA-RADIATION (Fotoeffektivnost Kristalla naJ(T1) dlya Nekollimatirovannovo Gamma-izlucheniya). May 66, 3p, 4refs. RTS-3006.
Order from NLL: 5s as RTS-3006

Trans. of Atomnaya Energiya (USSR) v14 n3 p319-20 1963.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-61859 Field 20H

Vasin, B. L.; Leskov, L. V.; Savin, F. A.
A NEW METHOD OF MEASURING THE LIFE OF EXCITED ATOMS. (O Novom Metode Izmereniya Vremen Zhizni Vozbuzhdennykh Atomov). 1966, 5p. JPRS-R-6544-D
Order from CFSTI or ETC: HC$1.10, MF$0.50 as TT-66-61859

Trans. of Fizicheskie Problemy Spektroskopii (USSR) v1 p39-41 1960.

TT-66-62255 Field 20H

Robert, A.
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Order from CFSTI or ETC: HC$4.00, MF$0.75 as N66-23540

Trans. of Commissariat a l'Energie Atomique, Paris. Rept. (France) R-2539 1964.

## I. Plasma physics

NCH-205 656 Field 20I

Berezin, O. A.
ON THE STEADY MOTION OF AN ELECTRICALLY CONDUCTING FLUID IN A RECTANGULAR CHANNEL IN THE PRESENCE OF A TRANSVERSE MAGNETIC FIELD (Ob Ustanovivshemsya Dvizhenii Elektroprovodnoi Zhidkosti v Pryamougol nom Kanale pri Nalichii Poperechnog Magnitnogo Polya). Mar 66, 6p, 4refs. RTS-3347.
Order from NLL: 12s 6d as RTS-3347

Trans. of Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki (USSR) n3 p155-9 1963.

NCH-205 823 Field 20I

Zhiltsov, V. P.
AN ANNULAR ELECTRODELESS DISCHARGE LAMP WITH A FERROMAGNETIC CORE (Koltsevaya Bezelektrodnaya Impulsnaya Lampa s Ferromagnitnym Serdechnikom). Aug 66, 11p, 10refs. RTS-3510.
Order from NLL: 15s as RTS-3510

Trans. of Svetotekhnika (USSR) v11 n2 p5-10 1965.

TT-66-34516 Field 20I

Gekker, I. R.; Mikhailov, G. Y.; Rabinovich, M. S.; Sobelman, I. I.; Lebedev, P. N.
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Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-34516

Trans. of Uspekhi Fizicheskikh Nauk (USSR) v89 n2 p309-19 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-61542 Field 20I, 20N

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RADIO EMISSION FROM SHOCK WAVES NEAR THE EARTH AND IN THE INTERPLANETARY GAS. Tr. by P. A. Kazakov. 1966, 18p (foreign text included) 18refs. CSIRO-Trans-7803.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50 as TT-66-61542

Trans. of Kosmicheskie Issledovaniya (USSR) v2 n1 p64-70 1964.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-61977 Field 20I

Khizhniak, N. A.; Korsunskii, A. M.
NONLINEAR PROCESSES IN A ONE DIMENSIONAL AND ONE COMPONENT PLASMA. 1966, 6p, 5refs.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61977

Trans. of mono. Vysokochastn. Svoistva Plazmy (sic) Kiev, 1965 p148-55.

TT-66-61982 Field 20I

Fedorchenko, V. D.; Muratov, V. I.; Rutkevich, B. N.
ENERGY EXCHANGE BETWEEN HIGH AND LOW FREQUENCY OSCILLATIONS IN PLASMA. 1966, 7p, 3refs.

Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50
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Trans. of mono. Vysokochastotn. Svoistva Plazmy (sic)
Kiev, 1965 p118-26.

TT-66-61985 Field 20I

Kondratenko, A. N.
KINETIC THEORY OF ELECTROMAGNETIC WAVES
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Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50
as TT-66-61985

Trans. of mono. Vysokochastotn. Svoistva Plazmy
(sic) Kiev, 1965 p71-82.

TT-66-61989 Field 20I

Sizonenko, V. L.; Stepanov, K. N.
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AND ATTENUATION. 1966, 6p, 5refs.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50
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Kiev, 1965 p109-17.

TT-66-61991 Field 20I

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ON SINGULARITIES OF AN ELECTROMAGNETIC FIELD
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1966, 7p, 2refs.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50
as TT-66-61991

Trans. of mono. Vysokochastotn. Svoistva Plazmy (sic)
Kiev, 1965 p89-98.

TT-66-62009 Field 20I

Akhiezer, I. A.
ON THE THEORY OF NONLINEAR MOTIONS OF A
NONEQUILIBRIUM PLASMA. 1966, 6p, 7refs.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50
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TT-66-62271 Field 20I

Rykov, V. A.
NON-ONE-DIMENSIONAL SOLUTIONS OF THE EQUATIONS
OF MAGNETIC GAS DYNAMICS (Neodnomernye Resheniya
Uravnenii Magnitnoi Gazodinamiki). Mar 66, 13p, refs.
NASA-TT-F-10026; N66-23727.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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Trans. of Inzhenernyi Zhurnal (USSR) v5 n5 p945-9 1965.

TT-66-62275 Field 20I

Muratov, R. Z.; Samokhin, M. V.
OSCILLATIONS OF A PLASMA WITH AN ELECTRON BEAM
IN A EXTERNAL ELECTRIC FIELD. Apr 66, 17p, refs.
NASA-TT-F-10092; N66-23731.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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Trans. of Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi
Fiziki (USSR) n5 p3-8 1965.

TT-66-62499 Field 20I

Tikhonov, V. B.; Yakovlev, E. A.
HIGH-TEMPERATURE STABILIZED ELECTRIC
ARCS OF HIGH POWER (ELECTRIC ARC PLASMOTRONS).
12 Jul 66, 40p, 25refs. FTD-TT-65-1405; AD-640 728.
Order from CFSTI or ETC: HC$2.00, MF$0.50
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Unedited rough draft trans. of Aviatsionnyi Institut,
Moscow. Trudy (USSR) v119 p43-71 1960.

## K. Solid mechanics

NCH-203 113 Field 20K

Vasilchenko, G. S.
THE EFFECT OF THE RADIAL DROP IN TEMPERATURE
ON THE STATE OF STRESS OF TURBINE DISCS OPERAT-
ING UNDER THE CONDITIONS OF CREEP (Vliyanie Radial-
nogo Perepada Temperatur na Napryazhennoe Sostoyanie
Turbinnykh Diskov, Rabotayushchykh v Usloviyakh Polzu-
chesti). Aug 65, 17p, 5refs. RTS-2737.
Order from NLL: 20s as RTS-2737

Trans. of Teplovye Napryazheniya v Elementakh Turbo-
mashin (USSR) v2 p141-8 1962.

NCH-205 670 Field 20K

Malinin, N. N.
STEADY CREEP OF SYMMETRICALLY LOADED CIRCULAR
PLATES (Ustanovivshayasya Polzuchest Kruglykh Simmetri-
chno Nagruzhennykh Plastin). Apr 66, 29p, 6refs.
RTS-3088.
Order from NLL: 40s as RTS-3088

Trans. of Moskovskoe Vysshee Tekhnicheskoe Uchilishche.
Trudy (USSR) v26 p221-38 1953.

NCH-205 773 Field 20K

Sergievski, A. D.
FATIGUE - BASIC DESIGN CONDITIONS (Osnovnye Polo-
zheniya Rascheta Konstruktsii na Ystalost). Apr 66, 19p,
9refs. RTS-3224.
Order from NLL: 30s as RTS-3224

Trans. of mono. Proectirovanie Svarni Konstructsii, n.p.,
1965 p299-310.

TT-66-14385 Field 20K

Guillemet, C.; Acloque, P.
NEW OPTICAL METHODS OF DETERMINING STRESSES
NEAR SURFACES (Nouvelles Methodes Optiques
de Determination des Contraintes au Voisinage
des Surfaces des Milieux Transparents). 27p
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Order from SLA $2.60 as TT-66-14385

Trans. of Revue Francaise de Mecanique, n2/3
p157-63 1962.

TT-66-60649 Field 20K

Guz, A. N.; Savin, G. N.; Tsurpal, I. A.
STRESS CONCENTRATION ABOUT CURILINEAR HOLES IN PHYSICALLY NONLINEAR ELASTIC PLATES. Jan 66, 16p, refs. NASA-TT-F-408; N66-14055.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as N66-14055

Trans. from Archiwum Mechaniki Stosowanej (Poland) v16 n4 1964 (sic).

TT-66-61990 Field 20K

Kolman, E. R.
AXISYMMETRIC VIBRATION MODES OF THIN CONICAL SHELL. 1966, 8p, 6refs.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61990

Trans. of mono. Rash. na Prochn. i Zhestk. (sic) Moscow, 1965 p49-60.

TT-66-62261 Field 20K

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Apr 66, 11p, refs. NASA-TT-F-10061; N66-23546.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as N66-23546

Trans. of Prikladnaya Mekhanika (USSR) v1 n5 p133-7 1965.

TT-66-62270 Field 20K

Vries, G. de.
THE PRINCIPLES OF GLOBAL TESTS OF A STRUCTURE (les Principes de l'Essai Global de Vibration d'une Structure). Feb 66, 22p, refs. NASA-TT-F-10003; N66-23726.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as N66-23726

Trans. of la Recherche Aerospatiale (France) n108 p57-61 1965.

TT-66-62423 Field 20K

Volmir, A. S.; Kildibekov, I. G.
NONLINEAR ACOUSTIC OSCILLATIONS OF A CYLINDRICAL SHELL. 25 Apr 66, 11p, 9refs. FTD-TT-65-1948; AD-640 259.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 259

Unedtied rough draft trans. of Akademiya Nauk Armyanskoi SSR, Erevan. Izvestiya. Seriya Fiziko-Matematicheskikh Nauk, v17 n3 p65-70 1964.

TT-66-62456 Field 20K

Fettweis, F.
THE NOTCH IMPACT TEST: DEVELOPMENT AND CRITICISM (Die Kerbschlagprobe. Entwicklung und Kritik). Tr. by L. Emmerich; E. P. Klier. Apr 51, 169p. AD-640 397.
Order from CFSTI or ETC: HC$5.00, MF$1.00 as AD-640 397

Trans. of Archiv fuer das Eisenhuettenwesen (West Germany) v2 p625-74 1929.

TT-66-62459 Field 20K

Rakhimov, I. S..
EFFECT OF AXIAL FORCES AND NORMAL PRESSURE ON FREE OSCILLATIONS OF CYLINDRICAL SHELLS. 18 Apr 66, 13p, 4refs. FTD-TT-65-1035; AD-640 475.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 475

Unedited rough draft trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Mashinostroenie (USSR) n8 p42-8 1964.

TT-66-62464 Field 20K

Buravtsev, A. I.
CERTAIN PROBLEMS OF ELASTIC-PLASTIC OSCILLATIONS OF RODS. 29 Apr 66, 12p, 3refs. FTD-TT-65-1830; AD-640 487.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 487

Unedited rough draft trans. of Leningrad Univ. Vestnik (USSR) v20 n1 Seriya Matematiki, Mekhaniki i Astronomii n1 p77-83 1965.

## L. Solid-state physics

NCH-206 003 Field 20L

Gobrecht, H.; Speer, F.
A CONTRIBUTION TO THE STUDY OF SECONDARY ELECTRON EMISSION IN DEFECT SEMICONDUCTORS. 1966, 11p. ATS-27T95G.
Order from ATS: $17.45 as ATS-27T95G

Trans. of Zeitschrift fuer Physik (West Germany) v135 p602-14 1953.

TT-66-11842 Field 20L

Verdone, J.; Peretto, P.; Moser, P.; Dautreppe, D.; Verdier, J.
MAGNETIC AFTER EFFECTS IN FERROMAGNETIC METALS ELECTRON IRRADIATED AT 22K. Tr. by G. L. Boisvert. 13p, 9refs. ORNL-tr-666.
Order from SLA: $1.60 as TT-66-11842

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TT-66-14106 Field 20L

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INVESTIGATIONS ON THE UO2 - ThO2 - ZrO2 SYSTEM. 13p, 9refs. WAPD-Trans-21.
Order from SLA: $1.60 as TT-66-14106

Trans. of Accademia delle Scienze di Torino. Classe di Scienze Fisiche, Matematiche e Naturali. Atti (Italy) v94 p67-76 1959/1960.

TT-66-14364 Field 20L

Raab, S.; Lebek, A.
THE INVESTIGATION OF THE PELTIER EFFECT IN

SILICON AT THE SOLID-LIQUID-SOLID PHASE BOUNDARIES. 8p, 11refs.
Order from SLA: $1.10 as TT-66-14364

Trans. of Physica Status Solidi (East Germany) v12 p333-9 1965.

TT-66-21294 Field 20L

Abroyan, I. A.; Makarova, T. N.; Pukshanskii, A. D.; Titov, A. I.
EXCITATION OF ELECTRONS IN GERMANIUM BY IONS OF ALKALI METALS (Vozbuzhdenie Elekronov v Germanii Ionami Shchelochnykh Metallov). 13p, (foreign text included) 5refs. DTC-95.
Order from ETC or DTC: $1.60 as TT-66-21294

Trans. of Fizika Tverdogo Tela (USSR) v8 p111-4 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-62421 Field 20L, 18H, 20B

Shvarts, K.
RADIATION PHENOMENA IN ION CRYSTALS. 18 Apr 66, 18p, 47refs. FTD-TT-65-1734; AD-640 257.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 257

Unedited rough draft trans. of Akademiya Nauk Latviiskoi SSR, Riga. Izvestiya, n4 p30-7 1964.

TT-66-62444 Field 20L, 20C

Nina, R. Kh.; Nasirov, Ya. I.; Osmanov, T. G.
THERMOELECTRIC PROPERTIES OF THE SYSTEM CuSbTe2--SnTe. 25 Apr 66, 10p, 12refs. FTD-TT-65-1993; AD-640 309.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 309

Unedited rough draft trans. of Akademiya Nauk Azerbaidzhanskoi SSR, Baku. Izvestiya. Seriya Fiziko-Matematicheskikh i Tekhnicheskikh Nauk, n5 p69-72 1964.

TT-66-62452 Field 20L

Sirota, N. N.; Makovetskaya, L. A.
ELECTRICAL CONDUCTIVITY AND WIDTH OF FORBIDDEN ZONE OF SOLID SOLUTIONS OF SEMICONDUCTOR COMPOUNDS OF INDIUM PHOSPHIDE AND GALLIUM ARSENIDE. 25 Apr 66, 8p, 5refs. FTD-TT-65-1999; AD-640 303.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 303

Unedited rough draft trans. of Akademiya Navuk BSSR, Minsk. Doklady, v8 n10 p632-3 1964.

TT-66-62524 Field 20L, 7C

Markov, S.
ORGANIC SEMICONDUCTORS: ANALYTICAL SURVEY. 20 Apr 66, 54p. ATD-66-49; AD-641 141.
Order from CFSTI or ETC: HC$3.00, MF$0.50 as AD-641 141

Rept. based on Soviet open-source materials for the period Jan 60-Jun 65.
Rept. on Surveys of Soviet Scientific and Technical Literature.

## M. Thermodynamics

NCH-205 798 Field 20M

Sergazin, Zh. F.
ON THE PROBLEM OF THE THEORY OF VAPOUR CONDENSATION FROM VAPOUR AND GAS MIXTURES (K Voprosu o Teorii Kondensatsii Para iz Parogazovykh Smesei). Aug 66, 14p, 6refs. RTS-3243.
Order from NLL: 22s 6d as RTS-3243

Trans. of Energeticheskii Institut, Moscow. Trudy (USSR) n48 p75-83 1963.

NCH-204 929 Field 20M, 7A

Kazuo Kojima.
PREDICTION OF BINARY VAPOR-LIQUID EQUILIBRIA. 1965, 13p. TC-1771.
Order from TC: $12.00 as TC-1771

Trans. of Kagaku Kogaku (Japan) v28 n1 p26-32 1964.

TT-66-61839 Field 20M, 13I

Selivanova, I. A.; Kokorev, D. T.
EXPERIMENTAL METHOD FOR DETERMING ATTENUATION COEFFICIENTS OF SELECTIVE-ABSORBING MEDIA. Tr. by J. A. Collins. 1966, 8p (foreign text included) 3refs. CSIRO-Trans-7737.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61839

Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) v7 n10 p117-20 1964.

TT-66-61840 Field 20M

Nevskii, A. S.
A POSSIBLE UNIFIED APPROACH TO THE INVESTIGATION OF VARIOUS TYPES OF RADIANT HEAT TRANSFER BETWEEN BODIES. Tr. by R. J. Zatorski. 1966, 14p (foreign text included). CSIRO-Trans-7704.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50 as TT-66-61840

Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) v8 n5 p613-9 1965.

TT-66-62257 Field 20M

Vinogradov, B. S.; Ermolaev, M. D.
TESTS WITH STAGNATION-TEMPERATURE SENSORS HAVING AN INTERNAL CHANNEL BY THE EQUIVALENT PRESSURE DROP METHOD (Ispytanie Datchikov Temperatury Tormozheniya s Vnutrennim Protokom Metodom Ekvivalentnogo Perepada Davlenii). Apr 66, 16p, refs. NASA-TT-F-10041; N66-23542.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as N66-23542

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) n3 p157-62 1965.

TT-66-62259 Field 20M

Irvine, T. F.; Pearson, J. T.
AN ANALOG EXPERIMENT ON TURBULENT LIQUID

METAL HEAT TRANSFER IN THE ENTRANCE REGION OF NONCIRCULAR DUCTS (Model, Noe Issledovanie Turbulentnogo Teploobmena Zhidkikh Metallov vo Vkhodnoi Oblasti Trub Nekruglogo Secheniya). Mar 66, 19p, refs. NASA-TT-F-10052; N66-23544.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as N66-23544

Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) v6 n6 p10-9 1963.

TT-66-62266 Field 20M

Basov, V. N.; Popov, V. A.
COEFFICIENT OF RESISTANCE TO MOTION OF BURNING PARTICLES (Goryashchikh Chastits o Koeffitsiente Soprotivleniya Dvizheniyu Goryashchikh Chastits). Mar 66, 12p, refs. NASA-TT-F-10033; N66-23607.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as N66-23607

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, n8 p12-4 1958.

TT-66-62463 Field 20M, 12A

Wang Tung.
THE THEORY OF THE HEAT POTENTIAL (INSTALLMENT I) DIRECT VALUES OF THE HEAT POTENTIALS AND THE REVERSE PROBLEM IN THE THEORY OF THE HEAT POTENTIAL. 8 Apr 66, 21p, 14refs. FTD-TT-65-1686; AD-640 474.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 474

Unedited rough draft trans. of Zhurnal Vychislitelnoi Matematiki i Matematicheskoi Fiziki (USSR) v4 n4 p660-70 1964.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-62471 Field 20M

Ivanov, V. V.; Furman, A. V.
STUDY OF THE HEATING OF SOLIDS BY CONVECTIVE AND RADIANT FLUXES. Tr. by L. J. Holtschlag. 17 Aug 66, 11p, 4refs. TG-230-T498; AD-640 608.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 608

Trans. of Akademiya Nauk SSSR. Izvestiya. Energetika i Transport, n1 p131-4 1966.

### N. Wave propagation

TT-66-13874 Field 20N

Piefke, G.
REFLECTION AND TRANSMISSION FOR THE INCIDENCE OF AN HON-WAVE ON A CONE-SHAPED TRANSITION BETWEEN TWO WAVEGUIDES. 32p, 12refs.
Order from SLA: $3.60 as TT-66-13874

Trans. of Archiv der Elektrischen Uebertragung (West Germany) v15 n10 p444-54 1961.

TT-66-62469 Field 20N

Marukawa, T.
SURFACE ROUGHNESS AND EFFECTIVE REFLECTION COEFFICIENT OF THE SEA IN 9Gc BAND WAVE PROPAGATION. Jun 66, 14p. NSTIC-Trans-1791; AD-640 519.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-640 519

Trans. of Denki Tsushin Gakkai Zasshi (Japan) v45 n8 p1071-5 1962.

## 21 PROPULSION AND FUELS

### B. Combustion and ignition

NCH-204 979 Field 21B

Caffo, E.; Padovani, C.
BLOWOFF FOR FLAMES WITH PREMIXED AIR. 1965, 17p. TC-1861.
Order from TC: $13.50 as TC-1861

Trans. of Rivista dei Combustibili (Italy) v19 n9 p413-25 1965.

NCH-205 836 Field 21B

Gurvich, A. M.; Elokh, A. G.; Nosovitskii, A. I.
RADIATIVE HEAT EXCHANGE IN DUSTY GASEOUS MEDIA (Luchistyi Teploobmen v Zapylennoi Gazovoi Srede). Jun 66, 26p, 3refs. RTS-3272.
Order from NLL: 20s as RTS-3272

Trans. of Teploenergetika (USSR) v2 n2 p3-10 1955.

TT-66-61882 Field 21B

Babkin, V. S.; Kozachenko, L. S.; Kuznetsov, I. L.
THE EFFECT OF PRESSURE ON THE NORMAL BURNING VELOCITY OF A METHANE AIR MIXTURE. 1966, 7p. BM-Trans-2616.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61882

Trans. of Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki (USSR) n3 p145-9 1964.

TT-66-62460 Field 21B

Mikhailov, P. M.; Shtym, A. N.
PRESSURE DISTRIBUTION IN A VORTEX COMBUSTION CHAMBER. 8 Apr 66, 11p, 3refs. FTD-TT-65-1712; AD-640 476.
Order from CFSTI or ETC: HC$1. 00, MF$0.50 as AD-640 476

Unedited rough draft trans. of Politekhnicheskii Institut, Leningrad. Trudy (USSR) n232 p42-6 1964.

### D. Fuels

TT-66-20954 Field 21D

Bkhusari, A.
A CONTRIBUTION TO THE PROBLEM OF THE OIL AND GAS RESOURCES OF THE CAMBAY REGION (INDIA). 3p, 3refs. BPM-Trans.1818; MTWL-1390.
Order from ETC: $1.10 as TT-66-20954

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Neft i Gaz (USSR) v8 n6 p28, 34 1965.

TT-66-34760 Field 21D, 7A, 10-

EAST EUROPEAN MATERIALS INDUSTRIES: TRANSLATIONS NO. 317. 26 Oct 66, 52p. JPRS-38334.
Order from CFSTI or ETC: HC$3.00, MF$0.50
as TT-66-34760

TT-66-62518 Field 21D, 11H

Gryaznov, A. P.; Rozhkov, I. V.
INVESTIGATION OF THE ANTIWEAR PROPERTIES OF REACTIVE FUELS. 12 Apr 66, 11p, 6refs. FTD-TT-65-1730; AD-641 107.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-641 107

Unedited rough draft trans. of Khimiya i Tekhnologiya Topliv i Masel (USSR) v9 n4 p57-60 1964.

TT-66-62520 Field 21D, 21E, 11F

Davydov, P. I.; Bolshakov, G. F.
EFFECT OF SULFUROUS COMPOUNDS OF THERMAL STABILITY AND CORROSIVE PROPERTIES OF FUELS FOR TURBO-COMPRESSOR AIR-REACTIVE ENGINES. 25 Apr 66, 15p. FTD-TT-65-1276; AD-641 109.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-641 109

Unedited rough draft trans. of mono. Borba s Korroziei Dvigatelei Vnutrennego Sgoraniya i Gazoturbinnykh Ustanovok, n.p., 1962 p272-80.

## E. Jet and gas turbine engines

TT-66-62430 Field 21E

Fedorov, E. P.; Shalman, Yu. I.
VAPORIZING COMBUSTION CHAMBER OF GAS-TURBINE ENGINE AND FEATURES OF ITS OPERATION. 13 Apr 66, 18p, 6refs. FTD-TT-65-1855; AD-640 288.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-640 288

Unedited rough draft trans. of Avtomobilnaya Promyshlennost (USSR) v30 n5 p42-5 1964.

TT-66-62522 Field 21E

Vorogushin, V. T.
SELECTION OF THE OPTIMUM PARAMETERS OF A SUPERSONIC RAMJET ENGINE WITH A HEAT EXCHANGER. 18 Apr 66, 13p, 5refs. FTD-TT-65-581; AD-641 111.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-641 111

Unedited rough draft trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) n4 p75-81 1961.

## I. Rocket propellants

TT-66-34326 Field 21I

FLUORINE AND ITS COMPOUNDS AS ROCKET FUEL OXIDIZERS. 29 Sep 66, 26p, 30refs. JPRS-37898.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34326

Trans. of Voprosy Raketnoi Tekhniki (USSR) v14 n7 p28-41 1965.

# 22 SPACE TECHNOLOGY

TT-61-11147-140 Field 22-, 4B, 8J, 3A, 8E

SOVIET-BLOC RESEARCH IN GEOPHYSICS, ASTRONOMY, AND SPACE NO. 140. 19 Sep 66, 84p. JPRS-37710.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-61-11147-140

Also sold on subscription $16.00/yr., $20.00/yr. foreign.

TT-66-34143 Field 22-

Pacner, K.
CZECHOSLOVAKIA AND SPACE RESEARCH. 19 Sep 66, 11p. JPRS-37715.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-34143

Trans. of Student (Czechoslovakia) n31/34 p20-1 1966.

TT-66-61896 Field 22-

FUTURE LUNAR MISSIONS: REVIEW OF SOVIET AND SOVIET-BLOC LITERATURE. 8 Jan 64, 252p.
AID-P-64-1; AD-431 728.
Order from CFSTI or ETC: HC$24.80 as AD-431 728

## A. Astronautics

TT-66-62450 Field 22A, 4A, 8E, 22C

COSMIC RESEARCH, VOL. 4, NO. 2 1966. 4 Aug 66, 283p, 140refs. FTD-HT-66-244; AD-640 326.
Order from CFSTI or ETC: HC$6.00, MF$1.50
as AD-640 326

Unedited rough draft trans. of Kosmicheskie Issledovaniya (USSR) v4 n2 p179-335 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-62451 Field 22A, 3A, 6C

Mutschall, V. E.
SOVIET LONG-RANGE SPACE-EXPLORATION PROGRAM: ANALYTICAL SURVEY. 18 May 66, 33p, 13refs.
ATD-66-57; AD-640 327.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as AD-640 327

Rept. includes a selection of Soviet technical papers attempting to give the Soviet view of some space-exploring programs as they existed at the end of 1965.
Rept. on Surveys of Foreign Scientific and Technical Literature.

TT-66-62512 Field 22A

MAN WENT INTO OUTER SPACE. 13 Apr 66, 6p.
FTD-TT-66-27; AD-640 958.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-640 958

Unedited rough draft trans. of Grazhdanskaya Aviatsiya (USSR) v22 n11 p15 1965.

## C. Spacecraft trajectories and reentry

TT-66-34568 Field 22C

Lipskii, Yu. N.; Gurshtein, A. A.
THE SPACE AGE: EXPLORATION OF THE MOON.
13 Oct 66, 28p, JPRS-38141.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-34568

Trans. of Priroda (USSR) n6 p6-18 1966.

TT-66-62413 Field 22C

Firago, B. A.
EPHEMERIS CALCULATION OF THE ANGULAR VELOCITY OF A SATELLITE OF THE EARTH. 18 Apr 66, 13p, 4refs.
FTD-TT-65-861; AD-640 248.
Order from CFSTI or ETC: HC$1.00, MF$0.50

as AD-640 248

Unedited rough draft trans. of Akademiya Nauk SSSR, Astronomicheskii Sovet, n32 p3-7 1963.

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